How to find your Safety Data Sheet

1. Click the button with your country and language
2. Your SDS will open automatically

i-hygienic
plant based cleaning

A

Aruba
Dutch

Australia
English

Austria
German

B

Belgium
Dutch

Belgium
French

Bosnia and Herzegovina
Serbian

Brazil
Portugese

Bulgaria
Bulgarian

C

Canada
English

Canada
French

Chile
Spanish

China
Chinese

Croatia
Croatian

Czech Republic
Czech

D

Denmark
Danish

E

Estonia
Estonian

F

Finland
Finnish

France
French

G

Germany
German

Greece
Greek

H

Hong Kong
English

Hungary
Hungarian

I

Iceland
Icelandic

India
English

Indonesia
Indonesian

Ireland
English

Israël
English

Italy
Italian

J

Japan
Japanese

K

Kuwait
English

M

Macedonia
Macedonian

Malaysia
Malay

Malta
English

Moldava
Romanian

Montenegro
Serbian

N

Netherlands
Dutch

New Zealand
English

Norway
Norwegian

P

Poland
Polish

Q

Qatar
English

R

Romania
Romanian

S

Saudi Arabia
English

Serbia
Serbian

Singapore
English

Slovakia
Slovak

Slovenia
Slovenian

South Korea
Korean

Spain
Spanish

Sweden
Swedish

Switzerland
German

T

Taiwan
Chinese

Turkey
Turkish

U

United Arab Emirates
English

United Kingdom
English

United States
English

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the UNITED ARAB EMIRATES according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: AE-en

SICHERHEITSDATENBLATT

i.2 kitchen cleaner FlexDose Ultra

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

Handelsname:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:
Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:
Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:
info@hygeniq.com

Überarbeitet am:
05.08.2025

SDB Version:
2.0

Datum der letzten Ausgabe:
16.07.2025 (2.0)

1.4. Notrufnummer

Vergiftungsinformationszentrale (VIZ): +43 (0)1 406 43 43 (von 0 bis 24 Uhr)
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:
Nicht zutreffend.

Signalwort:

Nicht zutreffend.

Gefahrenhinweise:
Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:
-

Prävention:
-

Reaktion:
-

Lagerung:
-

Entsorgung:
-

Enthält:
Enthält keine meldepflichtigen Substanzen

▼*Andere Kennzeichnungen:*
EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.
Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

2.3. Sonstige Gefahren

Anderes:
Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.
Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe
Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-Nr.: 147170-44-3 EG-Nr.: 604-575-4 REACH: Indexnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-Nr.: 85536-23-8 EG-Nr.: REACH: 01-2119565130-50-0000 Indexnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-Phenoxyethanol	CAS-Nr.: 122-99-6 EG-Nr.: 204-589-7 REACH: 01-2119488943-21 Indexnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[19] UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen. Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen. Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

▼*Nach Einatmen:*

Bei Unwohlsein: Person an die frische Luft bringen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

▼*Nach Augenkontakt:*

Sanft mit lauwarmem Wasser ausspülen. Entfernen Sie eventuelle Kontaktlinsen, wenn dies ohne Aufwand möglich ist. Weiter ausspülen. Bei anhaltender Augenreizung oder Unbehagen: Ärztliche Hilfe in Anspruch nehmen.

▼*Nach Verschlucken:*

Den Mund gründlich spülen und reichlich Wasser trinken. Bei andauerndem Unwohlsein: Arzt aufsuchen und dieses Datensicherheitsblatt vorlegen.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.
Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:
Kohlenmonoxide (CO / CO2)

5.3. Hinweise für die Brandbekämpfung
Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren
Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.
Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen
Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.
Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung
Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.
Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte
Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.
Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung
Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.
Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. ▼Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Geeigneten Verpackung:
Nur in Originalverpackung aufbewahren.

Lagerbedingungen:
Trocken, kühl und gut belüftet.

Unverträgliche Materialien:
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen
Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter
2-Phenoxyethanol
Kurzzeitwert (15 Minuten) (mg/m³): 110
Kurzzeitwert (15 Minuten) (ppm): 20
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 110
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 20
Bemerkungen:
H = Besondere Gefahr der Hautresorption

2,2',2''-nitrilotriethanol
Kurzzeitwert (15 Minuten) (mg/m³): 10 E
Kurzzeitwert (15 Minuten) (ppm): 1,6
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 5 E
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 0,8

Bemerkungen:
S = der Arbeitsstoff löst in weit überdurchschnittlichem Maß allergische Überempfindlichkeitsreaktionen aus.

Grenzwerteverordnung 2024 - GVK 2024, BGBI. II Nr. 330/2024

DNEL

2-Phenoxyethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen	Dermal	10,42 mg/kg
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	20,83 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	34.72 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen	Inhalation	2,41 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	8.07 mg/m³
Langfristig	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	3.1 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	6.3 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1,25 mg/m³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.25 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	3.1 mg/kg/Tag

PNEC

2-Phenoxyethanol

Expositionswege:	**Dauer der Aussetzung:**	**PNEC:**
Erde		1,26 mg/kg
Kläranlagen		24,8 mg/L
Kläranlagen	Einzeln	36 mg/L
Seewasser		0.0943 mg/L
Seewassersedimente		0,7237 mg/kg
Süßwasser		0,943 mg/L
Süßwassersedimente		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Expositionswege:	**Dauer der Aussetzung:**	**PNEC:**
Erde		151 µg/kg
Kläranlagen		10 mg/L
Pulsierende Freisetzung (Süßwasser)		5.12 mg/L
Seewasser		32 µg/L
Seewassersedimente		170 µg/kg
Süßwasser		320 µg/L
Süßwassersedimente		1.7 mg/kg

8.2. ▼Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:

Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:

Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:

Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind.
Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

▼*Hygienemaßnahmen:*

Nach Gebrauch Hände waschen.

Begrenzung der Umweltexposition:

Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:

Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
Im Falle längere Exposition oder bei hoher Konzentration	Keine Besonderheiten bei normal vorgesehenem Gebrauch	-	-	-	
	Nitril	0.35			

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:
Flüssig

▼*Farbe:*
Farblos

Geruch / Geruchsschwelle (ppm):
Charakteristisch

pH:
ca. 9.0

Dichte (g/cm^3):
1,04 (20 °C)

Kinematische Viskosität:
Es liegen keine Daten vor.

Partikeleigenschaften:
Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):
Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):
Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):
Es liegen keine Daten vor.

Dampfdruck:
Es liegen keine Daten vor.

Relative Dampfdichte:
Es liegen keine Daten vor.

Zersetzungstemperatur (°C):
Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):
Es liegen keine Daten vor.

Entzündbarkeit (°C):
Es liegen keine Daten vor.

Zündtemperatur (°C):
Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):
Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:
Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):
Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):
Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:
Es liegen keine Daten vor.

Brandfördernde Eigenschaften:
Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität
Es liegen keine Daten vor.

10.2. Chemische Stabilität
Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen
Keine bekannt.

10.4. Zu vermeidende Bedingungen
Keine bekannt.

10.5. Unverträgliche Materialien
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte
Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 401
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>5.000 mg/kg

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 402
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2.000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal

Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	1840 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Kaninchen
Expositionswegen:	Dermal
Ergebnis:	>5000 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 404
Spezies:	Meerschweinchen
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Ätzend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 404
Spezies:	Kaninchen
Ergebnis:	Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise
Keine bekannt.

Endokrinschädlichen Eigenschaften
Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben
2,2',2''-nitrilotriethanol: Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 203
Spezies:	Fisch, Pimephales promelas
Test:	LC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 202
Spezies:	Krustentier, Daphnia magna
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 201
Spezies:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 209
Spezies:	Pseudomonas putida
Umwelt-kompartiment :	Aktivierte Kläranlage
Test:	EC0
Ergebnis:	>100 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 210
Spezies:	Fisch
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 211
Spezies:	Krustentier, Daphnia magna
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	EC50

Ergebnis:	410 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 203
Spezies:	Fisch
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	2,9 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	NOEC
Ergebnis:	4,9 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Algen
Prüfdauer:	72 Stunden
Test:	ErC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Daphnia magna
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Test:	NOEC
Ergebnis:	23 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Andere waterorganismen
Prüfdauer:	30 minutes
Test:	EC50
Ergebnis:	>1000 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	>70
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 A

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz	2-Phenoxyethanol
BCF:	0.349
LogKow:	1.2
Ergebnis:	-

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt fällt nicht unter die Regeln für gefährliche Abfälle.
VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30 Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN-Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:
Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:
Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:
Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

WGK-Einstufung:
Wassergefährdungsklasse: WGK 3

Anderes:
Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:
VERORDNUNG (EG) Nr. 648/2004 des Europäischen Parlaments und des Rates vom 31. März 2004 über Detergenzien.
VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.
VERORDNUNG (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (CLP).
Verordnung (EG) Nr. 1907/2006 des Europäischen Parlaments und des Rates vom 18. Dezember 2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH).

15.2. Stoffsicherheitsbeurteilung
Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)
H302, Gesundheitsschädlich bei Verschlucken.
H315, Verursacht Hautreizungen.
H318, Verursacht schwere Augenschäden.
H319, Verursacht schwere Augenreizung.
H335, Kann die Atemwege reizen.
H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme
ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen
ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse
ak = andere kontrollpflichtige Abfälle
akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht
ATE = Schätzwert akute Toxizität

BCF = Biokonzentrationsfaktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (Europäische Konformität)
CLP =Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]
CSA = Stoffsicherheitsbeurteilung
CSR = Stoffsicherheitsbericht
DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert
DNEL = Abgeleiteter Nicht-Effekt-Grenzwert
EAK = Europäischer Abfallkatalog
EINECS = Altstoffverzeichnis
ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis
EuPCS = Europäisches Produktkategorisierungssystem
GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
GWP = Potenzial zur Erwärmung der Erdatmosphäre
IATA = Internationale Flug-Transport-Vereinigung
IBC = Intermediate Bulk Container
IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr
LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten
MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)
nwg = Nicht wassergefährdend
OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung
PBT = Persistent, bioakkumulierbar und toxisch
PNEC = Abgeschätzte Nicht-Effekt-Konzentration
RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter
RRN = REACH Registriernummer
S = Sonderabfälle
SCL = Spezifischen Konzentrationsgrenzwert.
SVHC = Besonders besorgniserregende Substanzen
STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition
STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition
UN = Vereinigte Nationen
UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.
VOC = Flüchtige organische Verbindungen
vPvB = Sehr persistent und sehr bioakkumulierbar
WGK = Wassergefährdungsklasse

Anderes
Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch
Quality & Compliance

Anderes
Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit eine Dreieck markiert.
Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.
Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.
Land-sprache: AT-de

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
5/8/2025

SDS Version:
2.0

Date of previous version:
16/7/2025 (2.0)

1.4. Emergency telephone number

In an emergency call 000
In less severe situations call the Poisons Information Centre: 13 11 26 (Available 24/7 from anywhere in Australia)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to the Work Health and Safety Regulations.

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %)	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Propane-1,2-diol
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m^3): 10

2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m^3): 5
Annotations:
Sen = Respiratory and/or Skin Sensitiser.

Workplace exposure standards for airborne contaminants (Safe Work Australia). (January 2024)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:
The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only protective equipment that carries the RCM symbol.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral

Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.
2,2',2''-nitrilotriethanol has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Propane-1,2-diol

Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC
Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210

Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes

Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

The Australian Inventory of Industrial Chemicals (AIIC):

Propane-1,2-diol is listed
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts is listed
Amides, rape-oil, N-(hydroxyethyl), ethoxylated is listed
2-phenoxyethanol is listed
2,2',2''-nitrilotriethanol is listed

Sources:

Model Work Health and Safety Regulations as at 1 January 2021.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail
AICIS = Australian Industrial Chemicals Introduction Scheme
AIIC = Australian Inventory of Industrial Chemicals
AS = Australian Standard
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
AUH = Hazard statements specific for Australia
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHS = Work Health and Safety Regulations

Additional information

Propane-1,2-diol
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m^3): 10

2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m^3): 5
Annotations:
Sen = Respiratory and/or Skin Sensitiser.

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: AU-en

БЕЗБЕДНОСНИ ЛИСТ

i.2 kitchen cleaner FlexDose Ultra

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

Комерцијално име:
i.2 kitchen cleaner FlexDose Ultra

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:
Детерџенти и средства за чишћење (укључујући и оне на бази растварача)
Дозвољено само за професионално коришћење.

Употребе које се не препоручују:
Нема познатих.

1.3. Подаци о снабдевачу

Компания и адреса:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Електронска адреса:
info@hygeniq.com

Датум безбедносног листа:
5.8.2025.

Верзия безбедносног листа:
2.0

Датум претходне верзије:
16.7.2025. (2.0)

1.4. Број телефона за хитне случајеве

Телефонски број хитне помоћ: 124
Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Није класификовано према Правилник о класификацији, обиљежавању и паковању хемикалија.

2.2. Елементи обележавања

Пиктограм опасности:
Није применљиво.

Реч упозорења:
Није применљиво.

Обавештење о опасности:
Није применљиво.

Обавештење о мерама предострожности:

Опште:
-

Превенција:
-

Реаговање:
-

Складиштење:
-

Одлагање:
-

Опасне материје:
Не садржи никакве супстанце које је потребно пријавити

▼*Додатно обавештење о опасности:*
EUH210, Безбедносни лист доступан на захтев.
Није применљиво.

Означавање садржаја према ПРАВИЛНИК о детергентима:

>15% - <30%
· Нејонски сурфактанти
< 5%
· Амфотерни сурфактанти
· Анјонски сурфактанти
· Конзерванси (PHENOXYETHANOL)

2.3. Остале опасности

Додатна упозорења:
Ова смеша/производ не садржи супстанце за које се сматра да испуњаваю критериюме да буду класификовани као ПБТ и/или вПвБ.
Овај производ не садржи материје које се сматрају ендокриним дисрупторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О САСТОЈЦИМА

3.1. Подаци о састојцима супстанце
Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS бр.: 147170-44-3 EC бр.: 604-575-4 REACH: Индекс бр. :	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS бр.: 85536-23-8 EC бр.: REACH: 01-2119565130-50-0000 Индекс бр. :	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS бр.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	ЕС бр.: 204-589-7 REACH: 01-2119488943-21 Индекс бр. : 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Погледајте потпуни текст Х-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци
UVCB = Непознат или промењљив састав, сложени продукти реакције или биолошки материјали

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:
Уколико је дисање неправилно, и являю се поспаност, губитак свести или грчеви: Позовите 124 и одмах почните са мерама помоći (прва помоć).
Ако имате сумње у вези са станјем повређене особе или ако симптоми потраю, обратите се лекару. Никад несвесной особи немојте давати воду или неко друго пиће.

▼*После удисања:*
У случаю мучнине: изведите особу на свеж ваздух.

У додиру са кожом:
У случаю иритације: исперите водом. У случаю упорне иритације, потражите лекарску помоć.

▼*Након контакта са очима:*
Благо исперите млаком водом. Уклоните контактна сочива ако је то лако учинити. Наставите са испирањем.
У случају упорне иритације или нелагодности ока: потражити медицинску помоћ.

▼*Након гутања:*
Темелјито исперите и оперите уста и конзумирајте велике количине воде. У случаю упорне мучнине: потражите медицинску помоć и понесите овај безбедносни лист.

Сагоревање:
Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени
Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман
Третирајте симптоматски.

Информације за здравствене раднике
Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара
Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша
Пожар ће довести до стварања густог дима. Излагање запалјивим производима може наштетити вашем здравлю. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацию и оближње површинске токове.
Уколико је производ изложен високим температурама, нпр. у случаю пожара, настаю опасна једињења као резултат његовог распадања. То су:
Угљени оксиди (CO / CO2)

5.3. Савет за ватрогасце
Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса
Осигурајте адекватну вентилацију, посебно у затвореним просторима.
Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину
Избегавајте испуштање у језера, потоке, канализације итд.
Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију
Користите песак, землю, вермикулит, диатомейску землю да бисте задржали и покупили незапалйиве упияюће материяле и ставите у контейнер за одлаганйе, у складу са локалним прописима.
Чишћенйе се у мери у којой йе то могуће обавля нормалним средствима за чишћенйе. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља
Погледајте поглавље 13 „Одлагање" у вези са поступком за отпад.
За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита".

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање
Пушенйе, и конзумиранйе хране и пића нису дозволйени у радном простору.
За информацийе о личной заштити погледайте поглавље „Контрола изложености и лична заштита".

7.2. ▼Услови за безбедно складиштење, укључујући некомпатибилности

Препоручени материјал за складиштење:
Чувати само у оригиналној амбалажи.

Температура складиштеня:
Суво, хладно и добро проветравано

Некомпатибилни материјали:
Яке киселине, яке базе, яка оксидациона средства и яка редукциона средства.

7.3. Посебни начини коришћења
Овай производ би требало користити само за примене наведене у поглавље 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености
Propane-1,2-diol
Гранична вредност изложености на радном месту (ГВИ) (mg/m^3): 474 / 10
Гранична вредност изложености на радном месту (ГВИ) (ppm): 150

Правилник о превентивним мјерама за безбједан и здрав рад при излагању хемијским материјама (Службени гласник Републике Српске, број 4/20)

DNEL
2-phenoxyethanol

Траянйе:	**Пут експозиције:**	**DNEL:**
Дугорочно - Системски	Дерматолошки	10,42 mg/kg
Дугорочно - Системски - Потрошач	Дерматолошки	20,83 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	34.72 mg/kg/дан
Дугорочно - Локално - Радник	Инхалацијски	5,7 mg/m^3

Дугорочно - Системски	Инхалацијски	2,41 mg/m³
Дугорочно - Системски - Радник	Инхалацијски	5,7 mg/m³
Дугорочно - Системски - Радник	Инхалацијски	8.07 mg/m³
Дугорочно	Орално	9,23 mg/kg

Propane-1,2-diol

Траянйе:	**Пут експозиције:**	**DNEL:**
Дугорочно - Локално	Инхалацијски	10 mg/m³
Дугорочно - Локално - Потрошач	Инхалацијски	10 mg/m³
Дугорочно - Локално - Радник	Инхалацијски	10 mg/m³
Дугорочно - Локално - Радник	Инхалацијски	10 mg/m³
Дугорочно - Системски - Потрошач	Инхалацијски	50 mg/m³
Дугорочно - Системски - Потрошач	Инхалацијски	50 mg/m³
Дугорочно - Системски - Радник	Инхалацијски	168 mg/m³
Дугорочно - Системски - Радник	Инхалацијски	168 mg/m³

PNEC

2-phenoxyethanol

Пут експозиције:	**Траянйе изложености:**	**PNEC:**
Морска вода		0.0943 mg/L
Постројењима за пречишћавање отпадних вода		24,8 mg/L
Постројењима за пречишћавање отпадних вода	Пойединачно	36 mg/L
Седимент мора		0,7237 mg/kg
Седимент слатке воде		7.2366 mg/kg
Слатка вода		0,943 mg/L
Тло		1,26 mg/kg

Propane-1,2-diol

Пут експозиције:	**Траянйе изложености:**	**PNEC:**
Вода		260 mg/L
Постројењима за пречишћавање отпадних вода		20000 mg/L
Седимент мора		26 mg/L
Седимент мора		57,2 mg/kg TG
Седимент мора		26 mg/L
Седимент слатке воде		572 mg/kg TG
Тло		50 mg/kg TG

8.2. ▼Контрола изложености и лична заштита

Поштованйе утврђених вредности ограниченя излаганя током рада би требало редовно контролисати.

Опште препоруке:

Пушенйе, и конзумиранйе хране и пића нису дозволйени у радном простору.

Сценарийи излаганя:

За овай производ нису имплементирани сценарийи изложености.

Границе излаганя:

Професионални корисници подлежу законски утврђеним максималним концентрацияма излаганя током рада. Погледайте у тексту изнад граничне вредности хигийене на раду.

Одговарајући технички уређаји за управљање:

Формирање паре мора бити минимално и испод тренутних граничних вредности (види горе). Препоручује се

уградња локалног издувног система ако нормалан проток ваздуха у радној соби није довољан. Проверите да ли је испирање очију и туширање у хитним случајевима јасно означено.
Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

▼*Хигијенске мере:*
Оперите руке након употребе.

Мере спречаваня контакта са животном средином:
Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:
Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	Класа	Боя	Стандарди	
Nema posebnih propisa kada se koristi kako je predvidjeno				

Заштита тела:

Препоручено	Тип / Категорија	Стандарди	
Nema posebnih propisa kada se koristi kako je predvidjeno	-	-	

Заштитне руке:

Радна ситуация	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
У случају продуженог излагања или високе концентрације	Nema posebnih propisa kada se koristi kako je predvidjeno	-	-	-	
	Nitril	0.35			

Заштита очију/лица:

Радна ситуация	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:
Течно

▼*Боји:*
Безбојно

Мирису / Прагу мириса (ppm):
Карактеристично

pH:
ca. 9.0

Релативна густина (g/cm³):

1,04 (20 °C)

Вискозитет:
Нема доступних података.

Карактеристике честица:
Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):
Нема доступних података.

Тачка/опсег омекшавања (°C):
Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):
Нема доступних података.

Напон паре:
Нема доступних података.

Густина паре:
Нема доступних података.

Температура разлагања (°C):
Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):
Нема доступних података.

Тачка паљења (°C):
Нема доступних података.

Температура самопаљења (°C):
Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):
Нема доступних података.

Растворљивост

Растворљивост у вода:
У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):
Нема доступних података.

Растворлйивост у масти (g/L):
Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:
Нема доступних података.

Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност
Нема доступних података.

10.2. Хемијска стабилност
Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција
Нема познатих.

10.4. Услови које треба избегавати
Нема познатих.

10.5. Некомпатибилни материјали

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње

У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продукта распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	Propane-1,2-diol
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	>20000 mg/kg

Хемијски назив	Propane-1,2-diol
Врсте:	Зец
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	Propane-1,2-diol
Врсте:	Пацов
Пут експозиције:	Инхалацијски
Тест:	LC50
Вредност:	44.9 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 401
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	>5.000 mg/kg

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 402
Врсте:	Пацов
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Дерматолошки

Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	2-phenoxyethanol
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1840 mg/kg

Хемијски назив	2-phenoxyethanol
Врсте:	Зец
Пут експозиције:	Дерматолошки
Вредност:	>5000 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	Propane-1,2-diol
Вредност:	Нису установљени негативни ефекти (Неиритантан)

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 404
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	2-phenoxyethanol
Вредност:	Установљени су негативни ефекти (Корозивно)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	Propane-1,2-diol
Вредност:	Установљени су негативни ефекти (Слабо иритантан)

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 404
Врсте:	Зец
Вредност:	Установљени су негативни ефекти (Слабо иритантан)

Хемијски назив	2-phenoxyethanol
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија

На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност
На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације
На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti
Нема познатих.

Угрожава рад ендокриних жлезда
Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информацийе
Нема познатих.

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	Propane-1,2-diol
Врсте:	Рибе, Oncorhynchus mykiss
Траянйе:	96 сати
Тест:	LC50
Вредност:	40613 mg/L

Хемијски назив	Propane-1,2-diol
Врсте:	Ракови, Ceriodaphnia Dubia
Траянйе:	48 сати
Тест:	LC50
Вредност:	18340 mg/L

Хемијски назив	Propane-1,2-diol
Врсте:	Ракови, Ceriodaphnia Dubia
Траянйе:	7 дана
Тест:	NOEC
Вредност:	13020 mg/L

Хемијски назив	Propane-1,2-diol
Врсте:	Алге, Pseudokirchneriella subcapitata
Траянйе:	96 сати
Тест:	ErC50
Вредност:	19000 mg/L

Хемијски назив	Propane-1,2-diol
Врсте:	Бактерије, Pseudomonas putida
Траянйе:	18 hours
Тест:	NOEC
Вредност:	>20000 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 203
Врсте:	Рибе, Pimephales promelas
Тест:	LC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 202

Врсте:	Ракови, Daphnia magna
Тест:	EC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 201
Врсте:	Andere waterorganismen, Desmodesmus subspicatus
Тест:	EC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 209
Врсте:	Pseudomonas putida
Окружење:	Постројенйе са активираним мулйем
Тест:	EC0
Вредност:	>100 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 210
Врсте:	Рибе
Тест:	NOEC
Вредност:	>0,1-1 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 211
Врсте:	Ракови, Daphnia magna
Тест:	NOEC
Вредност:	>0,1-1 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 201
Врсте:	Алге
Окружење:	Слатка вода
Траянйе:	72 сати
Тест:	EC50
Вредност:	410 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 203
Врсте:	Рибе
Окружење:	Слатка вода
Траянйе:	96 сати
Тест:	LC50
Вредност:	2,9 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 201
Врсте:	Алге
Окружење:	Слатка вода
Траянйе:	72 сати
Тест:	NOEC
Вредност:	4,9 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Рибе
Траянйе:	96 сати
Тест:	LC50

Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Алге
Траяње:	72 сати
Тест:	ErC50
Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Daphnia magna
Траяње:	48 сати
Тест:	EC50
Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Рибе
Тест:	NOEC
Вредност:	23 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Andere waterorganismen
Траяње:	30 minutes
Тест:	EC50
Вредност:	>1000 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив	Propane-1,2-diol
Вредност:	96%
Закључак:	Лако биоразградива материја

Хемијски назив	Propane-1,2-diol
Траяње:	28 дана
Вредност:	81 %
Закључак:	Лако биоразградива материја

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Закључак:	Лако биоразградива материја

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Закључак:	Лако биоразградива материја

Хемијски назив	2-phenoxyethanol
Вредност:	>70
Закључак:	Лако биоразградива материја
Тест:	ОЕЦД 301 A

12.3. Потенцијал биоакумулације

Хемијски назив	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Закључак:	Нема потенцијала за биоакумулацију

Хемијски назив	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Закључак:	-

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене
Ова смеша/производ не садржи супстанце за које се сматра да испуњаваю критериюме да буду класификовани као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда
Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти
Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

Методе третмана отпада
Производ није обухваћен прописима о опасном отпаду.
Правилник о категоријама, испитивању и класификацији отпада (Службени гласник Републике Српске, број 19/15 и 79/18).

Кôд европског каталога отпада (EWЦ)
20 01 30 детерџенти другачији од оних наведених у 20 01 29

Специфично означаванйе

Контаминиране амбалаже
Амбалажа коя садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информацийе
Нийе опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника
Није примењиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)
Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограниченя за примену:
Дозвољено само за професионално коришћење.

Захтеви за специфичним образованйем:
Нема посебних захтева.

Означаванйе садржая према ПРАВИЛНИК о детергентима:

>15% - <30%
· Нејонски сурфактанти
< 5%
· Амфотерни сурфактанти
· Анјонски сурфактанти
· Конзерванси (PHENOXYETHANOL)

Додатне информацийе:
Сурфактант(и) садржани у овом препарату йе(су) у складу са критериюмима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детерџентима. Подаци који поткреплюю ову тврдню стойе на располаганю надлежним властима држава чланица и биће им доступни на нйихов директни захтев или на захтев произвођача детерџената.

Извори:
Правилник о детерџентима (Службени гласник Републике Српске, број 14/19).
Правилник о категоријама, испитивању и класификацији отпада (Службени гласник Републике Српске, број 19/15 и 79/18).
Правилник о класификацији, обиљежавању и паковању хемикалија (Службени гласник Републике Српске, бр. 118/20).
Закон о хемикалијама (Службени гласник Републике Српске, бр. 21/18).

15.2. Процена безбедности хемикалије.
Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фраза како йе наведено у поглавље 3
H302, Штетно ако се прогута.
H315, Изазива иритацију коже.
H318, Доводи до тешког оштећења ока.
H319, Доводи до јаке иритације ока.
H335, Може да изазове иритацију респираторних органа.
H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними
ADR = Европски споразум о међународном друмском превозу опасне робе
ATE = Процена акутне токсичности
BCF = Фактор биоконцентрације
CAS = Служба хемийских сажетака
CE = европска усаглашеност
CLP = Уредба о класификацийи, означаваню и пакованю [Уредба (ЕЗ) бр. 1272/2008]
CSA = Процена хемийске безбедности
CSR = Извештай о хемийской безбедности
CTOT = Специфична цилйна токсичност органа
DMEL = Изведени минимални ниво ефекта
DNEL = Изведени ниво без ефекта
EINECS = Европски инвентар постойећих комерциялних хемийских супстанци
ES = Сценарио изложености
EUH izjava = ЦЛП-специфична изява о опасности
EUPCS = Европски систем категоризације производа
EWЦ = Европски каталог отпада
GHS = Глобално усклађени систем класификацийе и обележаваня хемикалия
GWP (ГВП) = Потенцијал глобалног загревања
IARC = еђународна агенция за истраживанйе рака
IATA = Међународно удруженйе за ваздушни саобраћај
IBC = Среднйи контейнер за расути терет
IMDG = Међународна поморска опасна роба
LogPow = Логаритам коефицийента раздваяня октанол/вода
MARPOL = Међународна конвенция о спречаваню загађеня са бродова из 1973. године, изменйена протоколом из 1978. („Marpol“ = загађенйе мора)
ОЕЦД = Организация за Економску Царадню и Дазвой

ПБТ = Истраян, биоакумулативан и токсичан
PNEC = Предвиђена концентрация без ефекта
RID = Прописи који се тичу међународног превоза опасне робе железницом
RRN = REACH регистрациони брой
SCL = има одређену границу концентрацийе.
SVHC = Веома забриняваюће супстанце
STOT-RE = Специфична цилйна токсичност органа - понавляна излаганя
STOT-SE = Специфична цилйна токсичност органа - пойединачна излаганя
TWA = Временски пондерисан просек
UN = Уйединйене нацийе
UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали
VOC = Нестабилно органско йединйенйе
вПвБ = Веома трайно и врло биоакумулативно

Додатне информацийе
Није применљиво.

Безбедносни лист потврђуйе
Quality & Compliance

Остали подаци
Промена (сразмерно последнйой суштинской промени (прва шифра у верзийи СДС, погледайте поглавље 1)) обележена йе троуглом.
Подаци у овом безбедносном упутству односе се само на овай одређени производ (поменут у поглавље 1) и нису нужно тачни за употребу са другим хемикалияма/производима.
Препоручуйе се да ово безбедносно упутство дате стварном кориснику производа. Информацийе у овом безбедносном упутству не могу се користити као спецификацийе производа.
Земља-језик: BA-sr

FICHE DE DONNÉES DE SÉCURITÉ

i.2 kitchen cleaner FlexDose Ultra

RUBRIQUE 1: IDENTIFICATION DE LA SUBSTANCE/DU MÉLANGE ET DE LA SOCIÉTÉ/DE L'ENTREPRISE

1.1. Identificateur de produit

Marque commerciale:
i.2 kitchen cleaner FlexDose Ultra

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:
Produits de lavage et de nettoyage (y compris produits à base de solvants)
Réservé aux utilisateurs professionnels.

Utilisations déconseillées :
Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Courriel:
info@hygeniq.com

Révision:
5/08/2025

Version de la fiche de données de sécurité:
2.0

Date de la précédente édition:
16/07/2025 (2.0)

1.4. Numéro d'appel d'urgence

Centre Antipoisons: +32 (0) 70 245 245 (7 jours sur 7, 24 heures sur 24)
Voir la rubrique 4 concernant premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé selon le Règlement (CE) n° 1272/2008.

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:
Sans objet.

Mention d'avertissement:
Sans objet.

Mention(s) de danger:
Sans objet.

Conseil(s) de prudence:

Générales:
-

Précautions:
-

Intervention:
-

Stockage:
-

Élimination:
-

Contient:
Ne contient pas de substances dont la déclaration est obligatoire

▼*Autre étiquetage:*
EUH210, Fiche de données de sécurité disponible sur demande.
Sans objet.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents (applicable aux emballages de détergents vendus au grand public):

>15% - <30%
· Agents de surface non ioniques
< 5%
· Agents de surface amphotères
· Agents de surface anioniques
· Agent de conservation (PHENOXYETHANOL)

2.3. Autres dangers

Autre:
Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.
Ce produit ne contient aucune substance considérée comme étant un perturbateur endocrinien conformément aux critères définis dans le règlement délégué (UE) 2017/2100 ou le règlement (UE) 2023/707 de la Commission.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances
Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N° CAS : 147170-44-3 N° CE: 604-575-4 REACH: N° index :	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N° CAS : 85536-23-8 N° CE: REACH: 01-2119565130-50-0000 N° index :	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phénoxyéthanol	N° CAS : 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	N° CE: 204-589-7 REACH: 01-2119488943-21 N° index : 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

[19] UVCB = substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques.

RUBRIQUE 4: PREMIERS SECOURS

4.1. Description des mesures de premiers secours

Généralités:

En cas d'accident : Contactez un médecin ou l'hôpital ou Centre Antipoisons: +32 (0) 70 245 245 (7 jours sur 7, 24 heures sur 24), apportez l'étiquette ou bien la présente fiche de données de sécurité.
En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

▼*Inhalation:*

En cas de gêne : sortez la personne à l'air frais.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

▼*Contact visuel:*

Rincer délicatement à l'eau tiède. Retirer les éventuelles lentilles de contact si cela est facile à faire. Continuer à rincer. En cas d'irritation ou de gêne oculaire persistante : consulter un médecin.

▼*Ingestion:*

Rincez la bouche abondamment et buvez de grandes quantités d'eau. En cas de gêne continue : consultez une assistance médicale et présentez cette fiche de données de sécurité.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES DE LUTTE CONTRE L'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.
Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :
Les oxydes de carbone (CO / CO2)

5.3. Conseils aux pompiers
Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DISPERSION ACCIDENTELLE

6.1. Précautions individuelles, équipement de protection et procédures d'urgence
Assurer une ventilation adéquate, en particulier dans les espaces confinés.
Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement
Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.
Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage
Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.
Nettoyez autant que possible avec des produits de nettoyage ordinaires. Evitez les solvants.

6.4. Référence à d'autres rubriques
Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.
Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANIPULATION ET STOCKAGE

7.1. Précautions à prendre pour une manipulation sans danger
La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.
Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. ▼Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les compatibilités en matière de conditionnement:
Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:
Sec, frais et bien ventilé

Matières incompatibles:
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)
Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle
2,2',2''-nitrilotriethanol
Valeur limite (8 heures) (VLEP) (mg/m^3): 5

Liste de valeurs limites d'exposition aux agents chimiques (L'AR du mai 2021).

DNEL
2-phénoxyéthanol

Durée :	**Voie d'exposition :**	**DNEL :**
Effets systématiques à long terme - population globale	Cutanée	20,83 mg/kg
Effets systématiques à long terme - Travailleurs	Cutanée	34.72 mg/kg/jour
Effets systémiques à long terme	Cutanée	10,42 mg/kg

Effets locaux à long terme - Travailleurs	Inhalation	5,7 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	5,7 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	8.07 mg/m³
Effets systémiques à long terme	Inhalation	2,41 mg/m³
À long terme	Orale	9,23 mg/kg

2,2',2''-nitrilotriethanol

Durée :	**Voie d'exposition :**	**DNEL :**
Effets systématiques à long terme - population globale	Cutanée	3.1 mg/kg/jour
Effets systématiques à long terme - Travailleurs	Cutanée	6.3 mg/kg/jour
Effets locaux à long terme - Travailleurs	Inhalation	1,25 mg/m³
Effets locaux à long terme - Travailleurs	Inhalation	5 mg/m³
Effets systématiques à long terme - population globale	Inhalation	1.25 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	5 mg/m³
Effets systématiques à long terme - population globale	Orale	3.1 mg/kg/jour

PNEC

2-phénoxyéthanol

Voie d'exposition :	**Durée d'exposition :**	**PNEC :**
Eau de mer		0.0943 mg/L
Eau douce		0,943 mg/L
Installation de traitement des eaux usées		24,8 mg/L
Installation de traitement des eaux usées	Unique	36 mg/L
Sédiments en eau de marines		0,7237 mg/kg
Sédiments en eau douce		7.2366 mg/kg
Sol		1,26 mg/kg

2,2',2''-nitrilotriethanol

Voie d'exposition :	**Durée d'exposition :**	**PNEC :**
Eau de mer		32 µg/L
Eau douce		320 µg/L
Emission intermittente (eau douce)		5.12 mg/L
Installation de traitement des eaux usées		10 mg/L
Sédiments en eau de marines		170 µg/kg
Sédiments en eau douce		1.7 mg/kg
Sol		151 µg/kg

8.2. ▼Contrôles de l'exposition

Le respect des valeurs limites indiquées doit être contrôlé régulièrement.

Précautions générales:

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:

Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:

Les utilisateurs professionnels sont concernés par la législation sur l'environnement de travail qui concerne les concentrations maximales auxquelles il est permis d'être exposé. Voir les valeurs limites d'hygiène de travail indiquées ci-dessus.

Mesures techniques:

La formation de vapeur doit être minimale et rester sous les valeurs limites actuelles (voir ci-dessus). Si l'aération n'est pas suffisante dans la pièce, l'installation d'un système local de ventilation est recommandée. Assurez-vous que les douches oculaires et les douches d'urgence sont clairement indiquées.
Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

▼*Mesures d'hygiène:*
Se laver les mains après utilisation.

Mesures pour la limitation de l'exposition à l'environnement:
Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:
Utilisez exclusivement des équipements de protection comportant la marque CE.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
En cas d'exposition prolongée ou de concentration élevée	Rien de spécial quand utilisé tel que prévu	-	-	-	
	Nitril	0.35			

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:
Liquide

▼*Couleur:*
Incolore

Odeur / Seuil olfactif (ppm):
Caractéristique

pH:
ca. 9.0

Densité (g/cm³):
1,04 (20 °C)

Viscosité cinématique:
Aucune information disponible.

Caractéristiques des particules:
Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):
Aucune information disponible.

Le point/l'intervalle de ramollissement (°C):
Ne s'applique pas aux liquides.

Point d'ébullition (°C):
Aucune information disponible.

Pression de vapeur:
Aucune information disponible.

Densité de vapeur relative :
Aucune information disponible.

Température de décomposition (°C):
Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):
Aucune information disponible.

Inflammabilité (°C):
Aucune information disponible.

Température d'auto-inflammation (°C):
Aucune information disponible.

Limite d´explosivité (% v/v):
Aucune information disponible.

Solubilité

Solubilité dans l'eau:
Complètement soluble

n-octanol/coefficient d'eau (LogKow):
Aucune information disponible.

Solubilité dans la graisse (g/L):
Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:
Aucune information disponible.

Capacités oxydantes:
Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité
Aucune information disponible.

10.2. Stabilité chimique
Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses
Aucune connue.

10.4. Conditions à éviter
Aucune connue.

10.5. Matières incompatibles
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux

Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: INFORMATIONS TOXICOLOGIQUES

11.1. Informations sur les classes de danger telles que définies dans le règlement (CE) n° 1272/2008

Toxicité aiguë

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 401
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>5.000 mg/kg

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 402
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2.000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	1840 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Lapin
Voie d'exposition :	Cutanée
Valeur :	>5000 mg/kg

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 404
Espèce :	Cochon d'Inde
Valeur :	Effets nocifs observés (Irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Corrosif)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 404
Espèce :	Lapin
Valeur :	Effets nocifs observés (Légèrement irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

11.2. Informations sur les autres dangers

Effets sur le long terme

Aucune connue.

Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient aucune substance considérée comme ayant des propriétés qui provoquent des troubles hormonaux vis-à-vis de la santé.

Autres informations

2,2',2''-nitrilotriethanol: La substance a été classée dans le groupe 3 par le CIRC.

RUBRIQUE 12: INFORMATIONS ÉCOLOGIQUES

12.1. Toxicité

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 203
Espèce :	Poisson, Pimephales promelas
Test :	CL50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 202
Espèce :	Crustacés, Daphnia magna
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 201
Espèce :	Andere waterorganismen, Desmodesmus subspicatus
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 209
Espèce :	Pseudomonas putida
Milieu environnemental :	Installation à boue activé
Test :	EC0
Valeur :	>100 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 210
Espèce :	Poisson
Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 211
Espèce :	Crustacés, Daphnia magna
Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CE50
Valeur :	410 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 203
Espèce :	Poisson
Milieu environnemental :	Eau douce
Durée :	96 heures
Test :	CL50
Valeur :	2,9 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CSEO
Valeur :	4,9 mg/L

Produit/composant	2-phénoxyéthanol

Espèce :	Poisson
Durée :	96 heures
Test :	CL50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Algues
Durée :	72 heures
Test :	ErC50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Daphnia magna
Durée :	48 heures
Test :	CE50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Poisson
Test :	CSEO
Valeur :	23 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Andere waterorganismen
Durée :	30 minutes
Test :	CE50
Valeur :	>1000 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion :	Biodégradabilité facile

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion :	Biodégradabilité facile

Produit/composant	2-phénoxyéthanol
Valeur :	>70
Conclusion :	Biodégradabilité facile
Test :	OCDE 301 A

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

12.3. Potentiel de bioaccumulation

Produit/composant	2-phénoxyéthanol
BCF:	0.349
LogKow :	1.2
Conclusion :	-

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

12.6. Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient pas de composants considérés comme ayant des propriétés perturbatrices du

système endocrinien

12.7. Autres effets néfastes
Aucune connue.

RUBRIQUE 13: CONSIDÉRATIONS RELATIVES À L'ÉLIMINATION

13.1. Méthodes de traitement des déchets
Le produit n'est pas concerné par la réglementation sur les déchets dangereux.
Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Code CED:
20 01 30 Détergents autres que ceux visés à la rubrique 20 01 29

Emballages pollués
Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres informations :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre
Marchandises non dangereuses conformément à ADR, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur
Sans objet.

14.7. Transport maritime en vrac conformément aux instruments de l'OMI
Aucune information disponible.

RUBRIQUE 15: INFORMATIONS RELATIVES À LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

Limites d'utilisation:
Réservé aux utilisateurs professionnels.

Demandes de formation spécifique:
Pas d'exigences particulières.

Protection contre les accidents majeurs - Categories / Substances dangereuses désignées:
Sans objet.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents:

>15% - <30%
· Agents de surface non ioniques
< 5%
· Agents de surface amphotères
· Agents de surface anioniques
· Agent de conservation (PHENOXYETHANOL)

Autre:

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

Sources:

Règlement (CE) n° 648/2004 du Parlement européen et du Conseil du 31 mars 2004 relatif aux détergents.
Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.
Règlement (CE) n° 1272/2008 du Parlement européen et du Conseil du 16 décembre 2008 relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges (CLP).
Règlement (CE) n° 1907/2006 du Parlement européen et du Conseil du 18 décembre 2006 concernant l'enregistrement, l'évaluation et l'autorisation des substances chimiques, ainsi que les restrictions applicables à ces substances (REACH).

15.2. Évaluation de la sécurité chimique

Non

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3

H302, Nocif en cas d'ingestion.
H315, Provoque une irritation cutanée.
H318, Provoque de graves lésions des yeux.
H319, Provoque une sévère irritation des yeux.
H335, Peut irriter les voies respiratoires.
H412, Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

Abréviations et acronymes

ADN = Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure
ADR = L'Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CVI = Conteneurs en Vrac Intermédiaires
CLP = Règlement 1272/2008/CE relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges
COV = Composés Organiques Volatils
CPSE = Concentration Prédite Sans Effet
CSA = Evaluation de la Sécurité Chimique
CSR = Rapport sur la Sécurité Chimique
DMEL = Dose dérivée avec effet minimum
DNEL = Dose dérivée sans effet
ds = les déchets spéciaux
EINECS = Inventaire européen des substances chimiques commerciales existantes
ETA = Estimation de la Toxicité Aiguë
EuPCS = Système européen de catégorisation des produits
FBC = Facteur de Bioconcentration
Mention EUH = mention de danger spécifique CLP
IARC = Le Centre international de Recherche sur le Cancer (CIRC)
IATA = Association Internationale du Transport Aérien
code IMDG = code maritime international des marchandises dangereuses
LogKoe = Coefficient de partage octanol/eau
MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)
NU = Nations Unies
OCDE = Organisation de Coopération et de Développement Economiques
PBT = Persistantes, Bioaccumulables et Toxiques
PRP = Le potentiel de réchauffement planétaire
REACH = Règlement sur l'enregistrement, l'évaluation, l'autorisation et les restrictions des substances chimiques [Règlement (CE) N° 1907/2006]

RID = Règlement concernant le transport International ferroviaire des marchandises Dangereuses
RRN = Numéro d'enregistrement REACH
sc = les autres déchets soumis à contrôle
scd = autres déchets soumis à contrôle qui nécessitent un document de suivi
SCL = Limite de concentration spécifique (LCS).
SE = Scenario d'Exposition
SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques
SVHC = Substances extrêmement préoccupantes
TDAA = Température de décomposition auto-accélérée
vPvB = Très Persistant et très Bioaccumulable
TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée
TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique
TWA = Moyenne pondérée dans le temps
UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

Autre

Sans objet.

Validé par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.
Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.
Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.
Pays-langue : BE-fr

VEILIGHEIDSINFORMATIEBLAD

i.2 kitchen cleaner FlexDose Ultra

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

Handelsnaam:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:
Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)
Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :
Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mailadres:
info@hygeniq.com

Herziening:
5/08/2025

SDS-versie:
2.0

Datum vorige uitgave:
16/07/2025 (2.0)

1.4. Telefoonnummer voor noodgevallen

Antigifcentrum: +32 (0) 70 245 245 (elke dag, 24 op 24 uur)
Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):
Niet van toepassing.

Signaalwoord:
Niet van toepassing.

Gevarenaanduidingen:
Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:
-

Preventie:
-

Reactie:
-

Opslag:
-

Verwijdering:
-

Stoffen waarvoor meldingsplicht geldt:
Bevat geen informatieplichtige stoffen

▼*Andere opmerkingen:*
EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.
Niet van toepassing.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>15% - <30%
· Niet-ionogene oppervlakteactieve stoffen
< 5%
· Amfotere oppervlakteactieve stoffen
· Anionogene oppervlakteactieve stoffen
· Conserveermiddel (PHENOXYETHANOL)

2.3. Andere gevaren

Overig:
Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.
Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen
Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS Nr.: 147170-44-3 EG Nr: 604-575-4 REACH: Catalogusnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS Nr.: 85536-23-8 EG Nr: REACH: 01-2119565130-50-0000 Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxyethanol	CAS Nr.: 122-99-6 EG Nr: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg)	

	REACH: 01-2119488943-21 Catalogusnr.: 603-098-00-9		Eye Dam. 1, H318 STOT SE 3, H335	

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[19] UVCB = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het Antigifcentrum: +32 (0) 70 245 245 (elke dag, 24 op 24 uur). Neem het etiket van het product of dit veiligheidsblad mee.
Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

▼*Bij inademen:*

Bij onwel voelen: Breng de persoon naar de frisse lucht.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

▼*Bij oogcontact:*

Spoel voorzichtig met lauwwarm water. Verwijder contactlenzen als dit gemakkelijk kan worden gedaan. Blijf spoelen. In geval van aanhoudende irritatie van de ogen of ongemak: roep medische hulp in.

▼*Bij inslikken:*

Spoel de mond en drink veel water. Bij aanhoudend onwel voelen: ga naar een arts en laat dit veiligheidsgegevensblad zien.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding weglopen.
Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:
Carbonoxiden (CO / CO2)

5.3. Advies voor brandweerlieden

Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures
Zorg voor voldoende ventilatie, vooral in afgesloten ruimten.
Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvoorzorgsmaatregelen
Voorkom weglopen naar meren, rivieren, riolering, e.d.
Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal
Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.
Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken
Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.
Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel
Roken, eten en drinken is niet toegestaan in arbeidslokalen.
Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. ▼Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Compatibele verpakkingen:
Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:
Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:
Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik
Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters
2,2',2''-nitrilotriethanol
Grenswaarde (TGG 8 uur) (mg/m³): 5

Lijst van de grenswaarden voor blootstelling aan chemische agentia (KB van mei 2021).

DNEL
2-fenoxyethanol

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Lokale effecten - Arbeiders	Inademing	5,7 mg/m³
Lange termijn - Systemische effecten	Inademing	2,41 mg/m³

Lange termijn - Systemische effecten - Arbeiders	Inademing	5,7 mg/m³
Lange termijn - Systemische effecten - Arbeiders	Inademing	8.07 mg/m³
Lange termijn	Oraal	9,23 mg/kg
Lange termijn - Systemische effecten	Via de huid	10,42 mg/kg
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	20,83 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	34.72 mg/kg bw/dag

2,2',2''-nitrilotriethanol

Duur:	**Blootstellingsroute:**	**DNEL:**
Lange termijn - Lokale effecten - Arbeiders	Inademing	1,25 mg/m³
Lange termijn - Lokale effecten - Arbeiders	Inademing	5 mg/m³
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.25 mg/m³
Lange termijn - Systemische effecten - Arbeiders	Inademing	5 mg/m³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	3.1 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	3.1 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	6.3 mg/kg bw/dag

PNEC

2-fenoxyethanol

Blootstellingsroute:	**Blootstellingsduur:**	**PNEC:**
Aarde		1,26 mg/kg
Afvalwaterzuiveringsinstallatie		24,8 mg/L
Afvalwaterzuiveringsinstallatie	Enkelvoudig	36 mg/L
Zeewater		0.0943 mg/L
Zeewatersediment		0,7237 mg/kg
Zoet water		0,943 mg/L
Zoetwatersediment		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Blootstellingsroute:	**Blootstellingsduur:**	**PNEC:**
Aarde		151 µg/kg
Afvalwaterzuiveringsinstallatie		10 mg/L
Intermitterende vrijlating (zoet water)		5.12 mg/L
Zeewater		32 µg/L
Zeewatersediment		170 µg/kg
Zoet water		320 µg/L
Zoetwatersediment		1.7 mg/kg

8.2. ▼Maatregelen ter beheersing van blootstelling

Naleving van de aangegeven grenswaarden dient regelmatig gecontroleerd te worden.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Beroepsmatige gebruikers vallen onder de regels van de arbeidsomstandighedenwet betreffende maximum concentratie van exponering. Zie de arbeidshygiënische grenswaarden hierboven.

Technische maatregelen:

De ontwikkeling van dampen moet zo beperkt mogelijk blijven en in elk geval onder de aangegeven grenswaarden (zie hoger). Een lokaal afzuigsysteem is aan te raden als de ventilatie in het lokaal ontoereikend is. Zorg ervoor dat oogspoelmiddel en een doucheslang in geval van nood duidelijk aangegeven zijn.
Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

▼*Hygiënische maatregele:*
Was de handen na gebruik.

Beheersing van milieublootstelling:
Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:
Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwegen:

Type	Klasse	Kleur	Standaard	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	Type/Categorie	Normen	
Geen bijzondere bij normaal doelbewust gebruik	-	-	

Handen:

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
In het geval van een lange blootstelling of hoge concentraties	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	
	Nitril	0.35			

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCHE EN CHEMISCHE EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:
Vloeibaar

▼*Kleur:*
Kleurloos

Geur / Geurdrempelwaarde (ppm):
Karakteristiek

pH:
ca. 9.0

Soortelijk gewicht (g/cm³):

1,04 (20 °C)

Kinematische viscositeit:
Geen gegevens beschikbaar.

Deeltjeskenmerken:
Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):
Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):
Niet van toepassing op vloeistoffen.

Kookpunt (°C):
Geen gegevens beschikbaar.

Dampdruk:
Geen gegevens beschikbaar.

Relatieve dampdichtheid:
Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):
Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):
Geen gegevens beschikbaar.

Ontvlambaarheid (°C):
Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):
Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):
Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:
Volledig oplosbaar

n-octanol/water coëfficient (LogKow):
Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):
Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:
Geen gegevens beschikbaar.

Oxiderende eigenschappen:
Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit
Geen gegevens beschikbaar.

10.2. Chemische stabiliteit
Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties
Niet bekend.

10.4. Te vermijden omstandigheden

Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen
Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten
Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 401
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	>5.000 mg/kg

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 402
Soorten:	Rat
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2.000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	2-fenoxyethanol
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	1840 mg/kg

Product / ingrediënt	2-fenoxyethanol
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Resultaat:	>5000 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Testmethode:	OESO 404
Soorten:	Cavia
Resultaat:	Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt	2-fenoxyethanol
Resultaat:	Schadelijke effecten waargenomen (Corrosief)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 404
Soorten:	Konijn
Resultaat:	Schadelijke effecten waargenomen (Licht irriterend)

Product / ingrediënt	2-fenoxyethanol
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn

Niet bekend.

Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie

2,2',2''-nitrilotriethanol: De stof is geclassificeerd als groep 3 door IARC.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 203
Soorten:	Vis, Pimephales promelas

Test:	LC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 202
Soorten:	Schaaldier, Daphnia magna
Test:	EC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 201
Soorten:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 209
Soorten:	Pseudomonas putida
Milieucompartiment:	Geactiveerde slibinstallatie
Test:	EC0
Resultaat:	>100 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 210
Soorten:	Vis
Test:	NOEC
Resultaat:	>0,1-1 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 211
Soorten:	Schaaldier, Daphnia magna
Test:	NOEC
Resultaat:	>0,1-1 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 201
Soorten:	Algen
Milieucompartiment:	Zoet water
Duur:	72 uur
Test:	EC50
Resultaat:	410 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 203
Soorten:	Vis
Milieucompartiment:	Zoet water
Duur:	96 uur
Test:	LC50
Resultaat:	2,9 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 201
Soorten:	Algen
Milieucompartiment:	Zoet water
Duur:	72 uur
Test:	NOEC

Resultaat:	4,9 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Vis
Duur:	96 uur
Test:	LC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Algen
Duur:	72 uur
Test:	ErC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Daphnia magna
Duur:	48 uur
Test:	EC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Vis
Test:	NOEC
Resultaat:	23 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Andere waterorganismen
Duur:	30 minuten
Test:	EC50
Resultaat:	>1000 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	2-fenoxyethanol
Resultaat:	>70
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 A

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaar heid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	2-fenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusie:	-

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen
Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten
Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden
Het product valt niet onder de regels voor gevaarlijk afval.
Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euralcode:
20 01 30 Niet onder 20 01 29 vallende detergenten

Verontreinigde emballage
Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevarenklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig
Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker
Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten
Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:
Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:
Geen bijzondere eisen.

SEVESO - Gevarencategorieën / Gevaarlijke stoffen:
Niet van toepassing.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

>15% - <30%
· Niet-ionogene oppervlakteactieve stoffen
< 5%
· Amfotere oppervlakteactieve stoffen
· Anionogene oppervlakteactieve stoffen
· Conserveermiddel (PHENOXYETHANOL)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaar heid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.
Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.
Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).
Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H302, Schadelijk bij inslikken.
H315, Veroorzaakt huidirritatie.
H318, Veroorzaakt ernstig oogletsel.
H319, Veroorzaakt ernstige oogirritatie.
H335, Kan irritatie van de luchtwegen veroorzaken.
H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren
ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg
ATE = Acute toxiciteitsbeoordeling
BCF = Bioconcentratie Factor
CAS = Chemical Abstracts Service
CE = Conformité européenne
CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]
CSA = Chemische Veiligheidsbeoordeling
CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)
DNEL = De afgeleide dosis zonder effect
EAC = Europese Afval Cataloog
EINECS = European INventory of Existing Commercial Substances
ES = blootstellingsscenario
EUH zin = CLP-specifieke gevaarszin
EuPCS = Europees productindelingssysteem
GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels
GWP = Aardopwarmingsvermogen
IATA = Internationaal Lucht Transport Vereniging
IBC = Tussentijdse bulk container
IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen
LogPow = Logaritme van de octaan/water partitie coëfficiënt
MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protoclol van 1978. ("Marpol" = zee vervuilend)
OESO = Organisatie voor Economische Samenwerking en Ontwikkeling
PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling

STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccummulatief

Overig

Niet van toepassing.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.
De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.
Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.
Land-taal: BE-nl

ИНФОРМАЦИОНЕН ЛИСТ ЗА БЕЗОПАСНОСТ

i.2 kitchen cleaner FlexDose Ultra

РАЗДЕЛ 1: ИДЕНТИФИКАЦИЯ НА ВЕЩЕСТВОТО/СМЕСТА И НА ДРУЖЕСТВОТО/ПРЕДПРИЯТИЕТО

1.1. Идентификатор на продукта

Търговско наименование:
i.2 kitchen cleaner FlexDose Ultra

1.2. Идентифицирани употреби на веществото или сместа, които са от значение, и употреби, които не се препоръчват

Съответни идентифицирани употреби на веществото или сместа:
Детергенти и почистващи препарати (включително на основата на разтворители)
Само за професионална употреба.

Употреби, които не се препоръчват:
Никой познат.

1.3. Подробни данни за доставчика на информационния лист за безопасност

Компания и адрес:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Е-поща:
info@hygeniq.com

Преработено издание:
5.08.2025 г.

SDS версия:
2.0

Дата на предходно издание:
16.07.2025 г. (2.0)

1.4. Телефонен номер при спешни случаи

Национален токсикологичен информационен център, Телефон за спешни случаи: +359 2 9154 233 (www.pirogov.bg)
Вижте раздел 4 "Мерки за първа помощ".

РАЗДЕЛ 2: ОПИСАНИЕ НА ОПАСНОСТИТЕ

2.1. Класифициране на веществото или сместа

Некласифициран съгласно Регламент (ЕО) № 1272/2008 (CLP).

2.2. Елементи на етикета

Пиктограма(и) за опасност:
Не е приложимо.

Сигнална дума:
Не е приложимо.

Декларация(и) за опасност:
Не е приложимо.

Декларация(и) за безопасност:

Общи:
-

Предотвратяване:
-

Отговор:
-

Съхранение:
-

Изхвърляне:
-

Идентичност на веществата, основно отговорни за най-големите опасности за здравето:
Не съдържа вещества, задължени да докладват

▼*Допълнително етикиране:*
EUH210, Информационен лист за безопасност ще бъде представен при поискване.
Не е приложимо.

Етикетиране на съдържанието съгласно Регламент 648/2004 за детергентите (приложимо за опаковки на детергенти, продавани на широката общественост):

>15% - <30%
· Нейоногенни повърхностноактивни вещества
< 5%
· Амфотерни повърхностноактивни вещества
· Анионни повърхностноактивни вещества
· Консервант (PHENOXYETHANOL)

2.3. Други опасности

Допълнителни предупреждения:
Тази смес/продукт не съдържа вещества, считани за отговарящи на критерии, класифициращи ги като PBT и/или vPvB.
Този продукт не съдържа вещества, които се считат за разрушаващи ендокринната система в съответствие с критериите, определени в Делегиран регламент (ЕС) № 2017/2100 на Комисията или Регламент на Комисията (ЕС) № 2023/707.

РАЗДЕЛ 3: СЪСТАВ/ИНФОРМАЦИЯ ЗА СЪСТАВКИТЕ

3.1. Вещества
Не е приложимо. Този продукт е смес.

3.2. Смеси

Продукт/ингредиент	Идентификатори	% w/w	Класификация	Забележка
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS №: 147170-44-3 ЕО №: 604-575-4 REACH: Индекс №:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS №: 85536-23-8 ЕО №:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

	REACH: 01-2119565130-50-0000 Индекс №:			
2-феноксиетанол	CAS №: 122-99-6 ЕО №: 204-589-7 REACH: 01-2119488943-21 Индекс №: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Вижте пълния текст на H-фразите в раздел 16. Ограниченията за излагане в работна среда са посочени в раздел 8, ако същите са налични.

Друга информация

[19] UVCB = вещества с неизвестен или променлив състав, продукти от сложни реакции или биологични материали.

РАЗДЕЛ 4: МЕРКИ ЗА ПЪРВА ПОМОЩ

4.1. Описание на мерките за първа помощ

Обща информация:

В случай на инцидент: Свържете се с лекар или отдел за произшествия - вземете етикета или този информационен лист за безопасност.
Свържете се с лекар, ако имате съмнения относно състоянието на пострадалия или ако симптомите продължават. Никога не давайте на човек в безсъзнание вода или други подобни.

▼*Вдишване:*

В случай на дискомфорт: изведете лицето на чист въздух.

Контакт с кожата:

В случай на дразнене: изплакнете продукта. В случай на продължително дразнене на очите: да се потърси медицинска помощ.

▼*Контакт с очите:*

Изплакнете внимателно с хладка вода. Отстранете евентуални контактни лещи, ако това става лесно. Продължете с изплакването. В случай на продължително дразнене или дискомфорт, потърсете лекарска помощ.

▼*Поглъщане:*

Изплакнете обилно устата и пийте повече вода. В случай на продължителен дискомфорт: да се потърси медицинска помощ и да се вземе този информационен лист за безопасност.

Изгаряния:

Не е приложимо.

4.2. Най-съществени остри и настъпващи след известен период от време симптоми и ефекти

Никой познат.

4.3. Указание за необходимостта от всякакви неотложни медицински грижи и специално лечение

Да се третира симптоматично.

Информация за медици

Носете този информационен лист за безопасност или етикета на продукта с вас.

РАЗДЕЛ 5: ПРОТИВОПОЖАРНИ МЕРКИ

5.1. Пожарогасителни средства

Не е приложимо.

5.2. Особени опасности, които произтичат от веществото или сместа

Пожарът ще доведе до гъст дим. Излагането на катаболитни продукти може да увреди вашето здраве. Затворени контейнери, които са изложени на огън, трябва да се охлаждат с вода. Не позволявайте

пожарогасителна вода да тече в канализацията и други водни течения.
Ако продуктът е изложен на високи температури, както и в случай на пожар, опасни катаболни вещества се произвеждат. Това са:
Въглеродни оксиди (CO / CO2)

5.3. Съвети за пожарникарите
Няма специфични изисквания.

РАЗДЕЛ 6: МЕРКИ ПРИ АВАРИЙНО ИЗПУСКАНЕ

6.1. Лични предпазни мерки, предпазни средства и процедури при спешни случаи
Замърсените зони могат да бъдат хлъзгави.

6.2. Предпазни мерки за опазване на околната среда
Избягвайте изтичането в езера, потоци, канали и т.н.
Дръжте неупълномощени лица далеч от разлива

6.3. Методи и материали за ограничаване и почистване
Разливът да се ограничи и събере с помощта на незапалими абсорбиращи материали, напр. пясък, пръст, вермикулит или инфузорна пръст и да се постави в контейнер за изхвърляне съгласно местните разпоредби.
Почистването трябва да се направи доколкото е възможно като се използват обикновени почистващи препарати. Разтворители трябва да бъдат избягвани.

6.4. Позоваване на други раздели
Вижте раздел 13 "Обезвреждане на отпадъците" по отношение на обработката на отпадъците.
Вижте раздел 8 "Контрол на експозицията/лични предпазни средства" за защитни мерки.

РАЗДЕЛ 7: РАБОТА И СЪХРАНЕНИЕ

7.1. Предпазни мерки за безопасна работа
Пушенето, консумацията на храна или течности, както и съхранението на тютюн, храна или течности, не са позволени в работните помещения.
Вижте раздел "Контрол на експозицията/лични предпазни средства" за информация за лична защита.

7.2. ▼Условия за безопасно съхраняване, включително несъвместимости

Съвместимостта на опаковките:
Да се съхранява само в оригиналната опаковка.

Условия за съхранение:
Сухо, хладно и добре проветрено

Несъвместими материали:
Силни киселини, силни основи, силни окислители, силни редуциращи агенти.

7.3. Специфична(и) крайна(и) употреба(и)
Този продукт трябва да се използва само за приложения, описани в раздел 1.2.

РАЗДЕЛ 8: КОНТРОЛ НА ЕКСПОЗИЦИЯТА/ЛИЧНИ ПРЕДПАЗНИ СРЕДСТВА

8.1. Параметри на контрол
Продуктът не съдържа вещества, включени в българския списък на вещества с ограничителни стойности на експозиция на работното място.

DNEL
2-феноксиетанол

Продъл-жителност:	**Маршрут на експозиция:**	**DNEL:**
Дълготрайна - локални ефекти - работници	Вдишване	5,7 mg/m³
Дълготрайна - систематични ефекти	Вдишване	2,41 mg/m³

Дълготрайна - систематични ефекти - работници	Вдишване	5,7 mg/m³
Дълготрайна - систематични ефекти - работници	Вдишване	8.07 mg/m³
Дълготрайна - систематични ефекти	Дермално	10,42 mg/kg
Дълготрайна - систематични ефекти - работници	Дермално	34.72 mg/kg/ден
Дълготрайна - систематични ефекти - цялото население	Дермално	20,83 mg/kg
Дълготрайна	Орално	9,23 mg/kg

PNEC

2-феноксиетанол

Маршрут на експозиция:	**Продължителност на излагане:**	**PNEC:**
Морска вода		0.0943 mg/L
Морска вода утайки		0,7237 mg/kg
Почва		1,26 mg/kg
Пречиствателна станция за отпадни води		24,8 mg/L
Пречиствателна станция за отпадни води	Еднократно	36 mg/L
Сладководна среда		0,943 mg/L
Сладководна среда утайки		7.2366 mg/kg

8.2. ▼Контрол на експозицията

Прилагайте общ контрол, за да се предотврати излишно излагане.

Общи препоръки:

Пушенето, консумацията на храна или течности, както и съхранението на тютюн, храна или течности, не са позволени в работните помещения.

сценариите на експозиция:

За този продукт няма въведени сценарии при излагане.

Граници на експозиция:

Няма максимални стойности на експозиция за веществата, съдържащи се в този продукт.

Подходящи технически мерки:

При употреба на продукта прилагайте стандартни предпазни мерки. Избягвайте вдишване на парите.

▼*Мерки за лична хигиена:*

Измивайте ръцете след употреба.

Мерки за предотвратяване на екологична експозиция:

Няма специфични изисквания.

Индивидуални мерки за защита като например лични предпазни средства

Общо:

Да се използва само защитно оборудване със CE маркировка.

Оборудване за дишане:

Тип	**Клас**	**Цвят**	**Стандарти**	
Няма специални, ако се използва по предназначение.				

Защита на кожата:

Препоръчано	**Тип/Категория**	**Стандарти**	
Няма специални, ако се използва по предназначение.	-	-	

Защита на ръцете:

Работна ситуация	Материал	Минимална дебелина на слоя (мм)	Период на издръжливост (минути)	Стандарти	
При продължително излагане или високи концентрации	Няма специални, ако се използва по предназначение	-	-	-	
	Nitril	0.35			

Защита на очите:

Работна ситуация	Тип	Стандарти	
	Няма специални, ако се използва по предназначение.	-	
При продължително излагане или високи концентрации	Носете предпазни очила със странични предпазители.	EN166	

РАЗДЕЛ 9: ФИЗИЧНИ И ХИМИЧНИ СВОЙСТВА

9.1. Информация относно основните физични и химични свойства

Форма:
Течност

▼*Цвят:*
Безцветен

Мирис / Граница на мириса (ppm):
Характерен

pH:
ca. 9.0

Плътност (г/см³):
1,04 (20 °C)

Кинематичен вискозитет:
Няма налични данни.

Характеристики на частиците:
Не се прилага за течности.

Фазови промени

Точка на топене/точка на замръзване (°C):
Няма налични данни.

Точката/интервалът на размекване (°C) :
Не се прилага за течности.

Точка на кипене (°C):
Няма налични данни.

Парно налягане:
Няма налични данни.

Относителна плътност на парите :
Няма налични данни.

Температура на разлагане (°C):
Няма налични данни.

Данни за опасности от пожар и експлозия

Точка на запалване (°C):
Няма налични данни.

Запалимост (°C):
Няма налични данни.

Температура на самозапалване (°C):
Няма налични данни.

Граници на експлозия (Обем %):
Няма налични данни.

Разтворимост

Разтворимост във вода:
Напълно разтворимо

коефициент на n-октанол/вода (LogKow):
Няма налични данни.

Разтворимост в мазнини (г/л):
Няма налични данни.

9.2. Друга информация

Други физични и химични параметри:
Няма налични данни.

Оксидиращи свойства:
Няма налични данни.

РАЗДЕЛ 10: СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност
Няма налични данни.

10.2. Химична стабилност
Продуктът е стабилен при условията, отбелязани в раздел 7 "Работа и съхранение".

10.3. Възможност за опасни реакции
Никой познат.

10.4. Условия, които трябва да се избягват
Никой познат.

10.5. Несъвместими материали
Силни киселини, силни основи, силни окислители, силни редуциращи агенти.

10.6. Опасни продукти на разпадане
При нормални условия на съхранение и употреба не трябва да се образуват опасни продукти на разпадане.

РАЗДЕЛ 11: ТОКСИКОЛОГИЧНА ИНФОРМАЦИЯ

11.1. Информация за класовете на опасност, определени в Регламент (ЕО) № 1272/2008

Остра токсичност

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	OECD 401
Видове:	Плъх
Маршрут на експозиция:	Орално
Изпитване:	LD50
Резултат:	>5.000 mg/kg

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	OECD 402
Видове:	Плъх
Маршрут на експозиция:	Дермално
Изпитване:	LD50

Резултат:	>2.000 mg/kg

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Видове:	Плъх
Маршрут на експозиция:	Дермално
Изпитване:	LD50
Резултат:	>2000 mg/kg

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Видове:	Плъх
Маршрут на експозиция:	Орално
Изпитване:	LD50
Резултат:	>2000 mg/kg

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Видове:	Плъх
Маршрут на експозиция:	Дермално
Изпитване:	LD50
Резултат:	>2000 mg/kg

Продукт/ингредиент	2-феноксиетанол
Видове:	Плъх
Маршрут на експозиция:	Орално
Изпитване:	LD50
Резултат:	1840 mg/kg

Продукт/ингредиент	2-феноксиетанол
Видове:	Заек
Маршрут на експозиция:	Дермално
Резултат:	>5000 mg/kg

Въз основа на наличните данни не са изпълнени критериите за класификация.

Корозия/дразнене на кожата

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод за изпитвания:	OИCP 404
Видове:	Морско свинче
Резултат:	Наблюдавани са неблагоприятни ефекти (Дразнещ)

Продукт/ингредиент	2-феноксиетанол
Резултат:	Наблюдавани са неблагоприятни ефекти (Корозивен)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Сериозно увреждане/дразнене на очите

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Резултат:	Наблюдавани са неблагоприятни ефекти (Предизвиква сериозно увреждане на очите)

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	OИCP 404
Видове:	Заек
Резултат:	Наблюдавани са неблагоприятни ефекти (Леко дразнещ)

Продукт/ингредиент	2-феноксиетанол
Резултат:	Наблюдавани са неблагоприятни ефекти (Предизвиква сериозно увреждане на очите)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Респираторна сенсибилизация

Въз основа на наличните данни не са изпълнени критериите за класификация.

Кожна сенсибилизация

Въз основа на наличните данни не са изпълнени критериите за класификация.

Мутагенност на зародишните клетки
Въз основа на наличните данни не са изпълнени критериите за класификация.

Канцерогенност
Въз основа на наличните данни не са изпълнени критериите за класификация.

Репродуктивна токсичност
Въз основа на наличните данни не са изпълнени критериите за класификация.

STOT-еднократна експозиция
Въз основа на наличните данни не са изпълнени критериите за класификация.

STOT-повтаряща се експозиция
Въз основа на наличните данни не са изпълнени критериите за класификация.

Опасност при вдишване
Въз основа на наличните данни не са изпълнени критериите за класификация.

11.2. Информация за други опасности

Дългосрочни ефекти
Никой познат.

Свойства, нарушаващи функциите на ендокринната система
Тази смес/този продукт не съдържа вещества, за които се счита, че имат вредно въздействие върху хормоните по отношение на здравето.

Друга информация
Никой познат.

РАЗДЕЛ 12: ЕКОЛОГИЧНА ИНФОРМАЦИЯ

12.1. Токсичност

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	ОИСР 203
Видове:	Риби, Pimephales promelas
Изпитване:	LC50
Резултат:	>1-10 mg/L

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	ОИСР 202
Видове:	Ракообразни, Daphnia magna
Изпитване:	EC50
Резултат:	>1-10 mg/L

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	ОИСР 201
Видове:	Andere waterorganismen, Desmodesmus subspicatus
Изпитване:	EC50
Резултат:	>1-10 mg/L

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	ОИСР 209
Видове:	Pseudomonas putida
Сфера от околната среда:	Станция за активна утайка
Изпитване:	EC0
Резултат:	>100 mg/L

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Метод за изпитвания:	ОИСР 210
Видове:	Риби
Изпитване:	NOEC
Резултат:	>0,1-1 mg/L

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод за изпитвания:	ОИСР 211
Видове:	Ракообразни, Daphnia magna
Изпитване:	NOEC
Резултат:	>0,1-1 mg/L

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод за изпитвания:	ОИСР 201
Видове:	Водорасли
Сфера от околната среда:	Сладководна среда
Продължителност:	72 часа
Изпитване:	EC50
Резултат:	410 mg/L

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод за изпитвания:	ОИСР 203
Видове:	Риби
Сфера от околната среда:	Сладководна среда
Продължителност:	96 часа
Изпитване:	LC50
Резултат:	2,9 mg/L

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод за изпитвания:	ОИСР 201
Видове:	Водорасли
Сфера от околната среда:	Сладководна среда
Продължителност:	72 часа
Изпитване:	NOEC
Резултат:	4,9 mg/L

Продукт/ингредиент	2-феноксиетанол
Видове:	Риби
Продължителност:	96 часа
Изпитване:	LC50
Резултат:	>100 mg/L

Продукт/ингредиент	2-феноксиетанол
Видове:	Водорасли
Продължителност:	72 часа
Изпитване:	ErC50
Резултат:	>100 mg/L

Продукт/ингредиент	2-феноксиетанол
Видове:	Daphnia magna
Продължителност:	48 часа
Изпитване:	EC50
Резултат:	>100 mg/L

Продукт/ингредиент	2-феноксиетанол
Видове:	Риби

Изпитване:	NOEC
Резултат:	23 mg/L

Продукт/ингредиент	2-феноксиетанол
Видове:	Andere waterorganismen
Продъл-жителност:	30 minutes
Изпитване:	EC50
Резултат:	>1000 mg/L

Въз основа на наличните данни не са изпълнени критериите за класификация.

12.2. Устойчивост и разградимост

Продукт/ингредиент	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Заключение:	Пряка биоразградимост

Продукт/ингредиент	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Заключение:	Пряка биоразградимост

Продукт/ингредиент	2-феноксиетанол
Резултат:	>70
Заключение:	Пряка биоразградимост
Изпитване:	OИСР 301 A

Повърхностно активното/ ните вещество / ва , съдържащо / и се в този препарат , отговаря (отговарят) на критериите за биологична разградимост , посочени в Регламент (ЕК) № 648/2004 относно детергентите . Данните, потвърждаващи това твърдение са на разположение на компетентните органи на страните - членки и може да им бъдат предоставени при тяхна директна молба или при молба от страна на производител на детергент.

12.3. Биоакумулираща способност

Продукт/ингредиент	2-феноксиетанол
BCF:	0.349
LogKow:	1.2
Заключение:	-

12.4. Преносимост в почвата

Няма налични данни.

12.5. Резултати от оценката на PBT и vPvB

Тази смес/продукт не съдържа вещества, считани за отговарящи на критерии, класифициращи ги като PBT и/или vPvB.

12.6. Свойства, нарушаващи функциите на ендокринната система

Тази смес/този продукт не съдържа вещества, за които се счита, че имат свойства, нарушаващи функциите на ендокринната система, по отношение на околната среда.

12.7. Други неблагоприятни ефекти

Никой познат.

РАЗДЕЛ 13: ОБЕЗВРЕЖДАНЕ НА ОТПАДЪЦИТЕ

13.1. Методи за третиране на отпадъци

Този продукт не е включен в разпоредбите за опасни отпадъци.
Регламент (ЕС) № 1357/2014 на Комисията от 18 декември 2014 относно отпадъците.

EWC код:

20 01 30	други детергенти, освен тези, посочени в 20 01 29

Замърсени опаковки

Опаковки, които съдържат остатъци от продукта трябва да се изхвърлят по същия начин както продукта.

РАЗДЕЛ 14: ИНФОРМАЦИЯ ОТНОСНО ТРАНСПОРТИРАНЕТО

	14.1 ООН	14.2 Точно наименование	14.3 Клас(ове) на опасност при транспортиране	14.4 PG*	14.5. Env**	Друга информация:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Опаковъчна група

** Опасности за околната среда

Допълнителна информация

Не е регистриран като опасна стока съгласно ADR, IATA и IMDG разпоредбите.

14.6. Специални предпазни мерки за потребителите

Не е приложимо.

14.7. Морски транспорт на товари в насипно състояние съгласно инструменти на Международната морска организация

Няма налични данни.

РАЗДЕЛ 15: ИНФОРМАЦИЯ ОТНОСНО НОРМАТИВНАТА УРЕДБА

15.1. Специфични за веществото или сместа нормативна уредба/законодателство относно безопасността, здравето и околната среда

Ограничения за приложение:

Само за професионална употреба.

Търсене за конкретно образование:

Няма специфични изисквания.

SEVESO - КАТЕГОРИИ НА ОПАСНОСТ / ПОИМЕННО ПОСОЧЕНИ ОПАСНИ ВЕЩЕСТВА:

Не е приложимо.

Етикетиране на съдържанието съгласно Регламент 648/2004 за детергентите:

>15% - <30%
· Нейоногенни повърхностноактивни вещества
< 5%
· Амфотерни повърхностноактивни вещества
· Анионни повърхностноактивни вещества
· Консервант (PHENOXYETHANOL)

Допълнителна информация:

Повърхностно активното/ ните вещество / ва , съдържащо / и се в този препарат , отговаря (отговарят) на критериите за биологична разградимост , посочени в Регламент (ЕК) № 648/2004 относно детергентите . Данните, потвърждаващи това твърдение са на разположение на компетентните органи на страните - членки и може да им бъдат предоставени при тяхна директна молба или при молба от страна на производител на детергент.

Източници:

Регламент (ЕО) № 648/2004 на Европейския парламент и на Съвета от 31 март 2004 година относно детергентите.
Регламент (ЕС) № 1357/2014 на Комисията от 18 декември 2014 относно отпадъците.
Регламент (ЕО) № 1272/2008 на Европейския парламент и на Съвета от 16 декември 2008 година относно класифицирането, етикетирането и опаковането на вещества и смеси (CLP).
Регламент (ЕО) № 1907/2006 на Европейския парламент и на Съвета от 18 декември 2006 година относно регистрацията, оценката, разрешаването и ограничаването на химикали (REACH).

15.2. Оценка на безопасността на химично вещество или смес

Не

РАЗДЕЛ 16: ДРУГА ИНФОРМАЦИЯ

Пълният текст на H-фразите са посочени в раздел 3

H302, Вреден при поглъщане.
H315, Предизвиква дразнене на кожата.
H318, Предизвиква сериозно увреждане на очите.
H319, Предизвиква сериозно дразнене на очите.
H335, Може да предизвика дразнене на дихателните пътища.
H412, Вреден за водните организми, с дълготраен ефект.

Съкращения и акроними

ADN = Европейско споразумение за международен превоз на опасни товари по вътрешни водни пътища
ADR = Европейска спогодба за международен превоз на опасни товари по шосе
ATE = Оценка на острата токсичност
BCF = Фактор на биоконцентрация
CAS = Химическа реферативна служба
CE = Сценарий на експозиция
CLP = Регламент за класифицирането, етикетирането и опаковането [Регламент (ЕО) №1272/2008]
CSA = Оценка за безопасност на химично вещество
CSR = Доклад за безопасност на химично вещество
DMEL = Изчислено ниво с минимален ефект
DNEL = Изчислено ниво без ефект
EINECS = Европейски инвентаризационен списък на съществуващите търговски химични вещества
EUH statement = CLP предупреждение за специфична опасност
EuPCS = Европейска система за категоризация на продукти
EWC = Европейски каталог на отпадъците
GHS = Глобална хармонизирана система за класифициране и етикитиране на химични вещества
IATA = Международна асоциация за въздушен транспорт
IBC = Средноголям контейнер за насипен товар
IMDG = Международен превоз на опасни товари по море
LogPow = Логаритъм от коефициента на разпределение октанол/вода
MARPOL 73/78 = Международна конвенция за предотвратяване замърсяването от кораби, 1973, изменена с протокол от 1978 г. ("Marpol" = замърсяване на морските води)
ОИСР = Организация за Икономическо Сътрудничество и Развитие
ОН = Обединени нации
ПГЗ = Потенциалът за глобално затопляне
PBT = Устойчиво, биоакумулиращо и токсично
PNEC = Изчислена концентрация без ефект
RID = Разпоредби за международен превоз на опасни товари с железопътен транспорт
RRN = Регистрационен номер съгласно REACH
SCL = специфична пределна концентрация.
STOT-RE = Специфична токсичност за определен орган - многократна експозиция
STOT-SE = Специфична токсичност за определен орган - еднократна експозиция
SVHC = Вещества, предизвикващи сериозно безпокойство
TWA = Средна премерена във времето
UVCB = вещества с неизвестен или променлив състав, продукти от сложни реакции или биологични материали.
ЛОС = Летливо органично съединение
vPvB = Много устойчиво и много биоакумулиращо

▼Допълнителна информация

Съгласно Член 31 от REACH за този продукт не се изисква информационен лист за безопасност на материала. Настоящият информационен лист за безопасност на материала е изготвен на доброволна основа с цел разпространяване на информация от практическо значение, съгласно изискванията на Член 32 от REACH.

Информационният лист за безопасност е потвърден от

Quality & Compliance

Други

Промяната (пропорционално на последната съществена промяна (първи шифър в SDS версия)) се отбелязва със триъгълник.
Информацията в този информационен лист за безопасност се отнася само за този конкретен продукт (посочен в раздел 1) и не е задължително да се коригира за използване на други химикали/продукти.
Препоръчително е този информационен лист за безопасност да се предаде на действителния потребител на продукта. Информацията в този информационен лист за безопасност не може да се използва като спецификация на продукта.
Държава-език: BG-bg

FICHA COM DADOS DE SEGURANCA

i.2 kitchen cleaner FlexDose Ultra

SEÇÃO 1: IDENTIFICAÇÃO DO PRODUTO E DA EMPRESA

1.1. Identificação do produto

Nome comercial:
i.2 kitchen cleaner FlexDose Ultra

1.2. Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas

Usos identificados relevantes da substância ou mistura:
Detergentes e agentes de limpeza (incluindo os à base de solvente)
Somente para uso de profissionais.

Utilizações desaconselhadas:
Nenhum conhecido.

1.3. Identificação do fornecedor da ficha de informações de segurança de produto químico

Empresa e endereço:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revisão:
05/08/2025

Versão FDS:
2.0

Data da versão anterior:
16/07/2025 (2.0)

1.4. Número de telefone para emergências

Tel (ambulância): 192 Consultar a seção 4 “Medidas de primeiros socorros”

SEÇÃO 2: IDENTIFICAÇÃO DE PERIGOS

Classificado de acordo com a ABNT NBR 14725:2023.

2.1. Classificação da substância ou mistura

Skin Irrit. 3; H316, Provoca irritação moderada á pele.

2.2. Elementos de rotulagem

Pictograma(s) de perigo:
Não aplicável.

Palavra(s) de advertência:
Atenção

Frase(s) de perigo:

Provoca irritação moderada á pele. (H316)

Recomendação(ões) de Prudência:

Geral:
-

Prevenção:
-

Resposta:
Em caso de irritação cutânea: consulte um médico. (P332+P313)

Armazenamento:
-

Eliminação:
-

Identificação das substâncias primariamente responsáveis pelos principais perigos para a saúde:
Não contém quaisquer substâncias a serem reportadas.

Rotulagem adicional:
Não aplicável.

SEÇÃO 3: COMPOSIÇÃO E INFORMAÇÕES SOBRE OS INGREDIENTES

3.1. Substâncias
Não aplicável. Este produto é uma mistura.

3.2. Misturas

Produto/Ingrediente	Identificadores	% w/w	Classificação	Notação
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N.° CAS: 147170-44-3 N.° CE: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N.° CAS: 85536-23-8 N.° CE:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxietanol	N.° CAS: 122-99-6 N.° CE: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Consultar texto integral de advertências de perigo na secão 16. Limites de exposição ocupacionais enumerados na secção 8, se estes se encontrarem disponíveis.

Outras informações
[19] UVCB = Composição desconhecida ou variável; contém produtos sujeitos a reação complexa ou composto de materiais biológicos.

SEÇÃO 4: MEDIDAS DE PRIMEIROS SOCORROS

4.1. Descrição das medidas de primeiros socorros

Informação Geral:

Em caso de acidente: Contate um médico ou serviço de urgência - leve a etiqueta ou esta ficha de dados de segurança.
Contate um médico se tiver dúvidas sobre o estado de uma pessoa ferida ou se os sintomas perdurarem. Nunca ofereça dê água ou semelhante a uma pessoa inconsciente.

Inalação:
No caso de dificuldades de respiração ou irritação do sistema respiratório: Remova a pessoa para local ventilado e mantenha acompanhada

Contato com a pele:
Remova imediatamente o vestuário contaminado e os sapatos. A pele que tenha estado em contato com o material deve ser lavada com bastante água e sabão. Usar um produto de limpeza para a pele. NÃO use solventes ou diluentes.

Contato com os olhos:
Em caso de contato com os olhos: Lave os olhos com água (20-30 °C) durante pelo menos 5 minutos. Remova as lentes de contacto. Telefone para um médico.

Ingestão:
Se a pessoa estiver consciente, enxagúe a boca com água e fique com a pessoa. Se a pessoa se sentir mal, contate imediatamente um médico e leve esta ficha de segurança de produtos químicos ou a etiqueta do produto consigo. Não induza o vómito salvo recomendação do médico. Mantenha a face virada para baixo para que o vómito não retroceda para a boca e garganta.

Queimaduras:
Não aplicável.

4.2. Sintomas e efeitos mais importantes, tanto agudos como retardados
Nenhum conhecido.

4.3. Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários
Tratar sintomaticamente.

Notas para omédico
Leve este folha de informações de segurança de produto químicos ou a etiqueta do material com você.

SEÇÃO 5: MEDIDAS DE COMBATE A INCÊNDIO

5.1. Meios de extinção
Não aplicável.

5.2. Perigos específicos da substância ou mistura
No caso de fogo, pode gerar uma fumaça densa. A exposição a produtos catabólicos pode provocar a morte. Os recipientes fechados, que estão expostos ao fogo, devem ser resfriados com água. Não permita que a água usada para combater o incêndio escoa para os esgotos ou outros cursos de água.
Se o produto for exposto a temperaturas elevadas, como no caso de um incêndio, são produzidas substâncias catabólicas perigosas. Estas são:
Óxidos de carbono (CO / CO2)

5.3. Medidas de proteção da equipe de combate a incêndio
Use equipamento autónomo de respiração e vestuário de proteção para evitar o contacto.

SEÇÃO 6: MEDIDAS DE CONTROLE PARA DERRAMAMENTO OU VAZAMENTO

6.1. Precauções pessoais, equipamento de proteção e procedimentos de emergência
As áreas contaminadas podem ser escorregadias.

6.2. Precauções ao meio ambiente
Evite a descarga em lagos, correntes de água, esgotos, etc.
Manter as pessoas não autorizadas longe do derrame

6.3. Métodos e materiais pare a contenção e limpeza
Contenha e recolha produtos derramados com material não combustível e absorvente, por exemplo, areia, terra, vermiculite ou terra de diatomáceas e coloque num recipiente para eliminação de acordo com os regulamentos

locais.
Deve ser feita uma limpeza, tanto quanto possível, usando agentes de limpeza normais. Evitar o uso de solventes.

6.4. Remissão para outras secções
Consulte a seção 13 "Considerações relativas à eliminação" para o manuseio de resíduos.
Consulte a seção 8 "controle da exposição/Proteção individual" para medidas preventivas.

SEÇÃO 7: MANUSEIO E ARMAZENAMENTO

7.1. Precauções para manuseio seguro
Fumar, consumir alimentos ou líquidos e armazenar tabaco, alimentos ou líquidos, não é permitido nas salas de trabalho.
Consulte a seção "controle da exposição/Proteção individual" para informação sobre proteção pessoal.

7.2. Condições de armazenamento seguro, incluindo qualquer incompatibilidade
Os recipientes abertos devem ser cuidadosamente fechados novamente e mantidos na vertical para impedir vazamentos.

Compatibilidade das embalagens:
Mantenha sempre o produto na sua embalagem original.

Condições de armazenamento:
Ambiente seco, fresco e bem ventilado

Materiais incompatíveis:
Ácidos fortes, bases fortes, fortes agentes oxidantes e fortes agentes catabólicos.

7.3. Utilização(ões) final(is) específica(s)
Este produto apenas deve ser usado para as aplicações descritas na seção 1.2.

SEÇÃO 8: CONTROLE DE EXPOSIÇÃO E PROTEÇÃO INDIVIDUAL

8.1. Parâmetros de controle
Este produto não contém quaisquer substâncias constantes da lista brasileira de substâncias com limite de exposição profissional.

8.2. Medidas de controle de engenharia
Aplique controle geral para evitar exposição desnecessária.

Recomendações gerais:
Fumar, consumir alimentos ou líquidos e armazenar tabaco, alimentos ou líquidos, não é permitido nas salas de trabalho.

Cenários de exposição:
Não existem cenários de exposição para este produto.

Limites de exposição:
Não existem quaisquer limites de exposição máximos para as substâncias constantes neste produto.

Medidas técnicas apropriadas:
Aplicar as precauções padrão quando utilizar o produto. Evitar a inalação de vapores.

Medidas de higiene:
Sempre que fizer uma pausa na utilização deste produto e quando tiver terminado de o utilizar, todas as áreas do corpo expostas, devem ser lavadas. Dê especial atenção às mãos, antebraços e rosto.

Medidas para evitar a exposição ambiental:
Sem requisitos específicos.

Medidas de proteção Pessoal

Geralmente:
Usar apenas equipamento de proteção com a marcação 'CA'.

Equipamento respiratórios:

Tipo	Classe	Cor	Normas	
Sem indicações especiais quando utilizado como indicado.				

Proteção da pele:

Recomendado	Tipo/Categoria	Normas	
Sem indicações especiais quando utilizado como indicado	-	-	

Proteção das mãos:

Situação de trabalho	Material	Espessura mínima da capa (mm)	Pausa através do tempo (min.)	Normas	
Em casos de exposição prolongada ou concentrações altas	Sem indicações especiais quando utilizado como indicado	-	-	-	
	Nitril	0.35			

Proteção dos olhos:

Situação de trabalho	Tipo	Normas	
	Sem indicações especiais quando utilizado como indicado.	-	
Em casos de exposição prolongada ou concentrações altas	Utilizar óculos de segurança com proteção lateral.	EN166	

SEÇÃO 9: PROPRIEDADES FÍSICAS E QUÍMICAS

9.1. Informações sobre propriedades físicas e químicas de base

Aspecto:
Líquido

▼*Cor:*
Sem cor

Odor / Limite de odor (ppm):
Característico

pH:
ca. 9.0

Densidade (g/cm³):
1,04 (20 °C)

Viscosidade:
Nenhum dado disponível.

Características das partículas:
Não se aplica aos líquidos.

Alterações da fase

Ponto de fusão/ponto de congelação (°C):
Nenhum dado disponível.

Ponto/intervalo de amolecimento (°C):
Não se aplica aos líquidos.

Ponto de ebulição (°C):
Nenhum dado disponível.

Pressão de vapor:
Nenhum dado disponível.

Densidade relativa do vapor:
Nenhum dado disponível.

Temperatura de decomposição (°C):
Nenhum dado disponível.

Dados sobre os perigos de fogo e explosão

Ponto de fulgor (°C):
Nenhum dado disponível.

Ignição (°C):
Nenhum dado disponível.

Temperatura de autoignição (°C):
Nenhum dado disponível.

Limite inferior/superior de inflamabilidade eu explosividade (% v/v):
Nenhum dado disponível.

Solubilidade

Solubilidade na água:
Completamente solúvel

Coeficiente de partição: n-octanol/água (LogKow):
Nenhum dado disponível.

Solubilidade em gordura (g/L):
Nenhum dado disponível.

9.2. Outras informações

Outros parâmetros físicos e químicos:
Nenhum dado disponível.

Propriedades oxidantes:
Nenhum dado disponível.

SEÇÃO 10: ESTABILIDADE E REATIVIDADE

10.1. Reatividade
Nenhum dado disponível.

10.2. Estabilidade química
O produto é estável sob as condições mencionadas na seção 7 "Manuseamento e armazenagem".

10.3. Possibilidade de reações perigosas
Nenhum conhecido.

10.4. Condições a serem evitadas
Nenhum conhecido.

10.5. Materiais incompatíveis
Ácidos fortes, bases fortes, fortes agentes oxidantes e fortes agentes catabólicos.

10.6. Produtos perigosos da decomposição
Em condições normais de armazenamento e uso, não devem ser gerados produtos de decomposição perigosos.

SEÇÃO 11: INFORMAÇÕES TOXICOLÓGICAS

11.1. Informações sobre as classes de perigo

Toxicidade aguda

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 401
Espécie:	Rato
Via de exposição:	Oral
Teste:	LD50
Resultado:	>5.000 mg/kg

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 402
Espécie:	Rato
Via de exposição:	Dérmico
Teste:	LD50
Resultado:	>2.000 mg/kg

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espécie:	Rato
Via de exposição:	Dérmico
Teste:	LD50
Resultado:	>2000 mg/kg

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espécie:	Rato
Via de exposição:	Oral
Teste:	LD50
Resultado:	>2000 mg/kg

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espécie:	Rato
Via de exposição:	Dérmico
Teste:	LD50
Resultado:	>2000 mg/kg

Produto/Ingrediente	2-fenoxietanol
Espécie:	Rato
Via de exposição:	Oral
Teste:	LD50
Resultado:	1840 mg/kg

Produto/Ingrediente	2-fenoxietanol
Espécie:	Coelho
Via de exposição:	Dérmico
Resultado:	>5000 mg/kg

Com base nos dados disponíveis, não atende os critérios de classificação.

Corrosão/irritação da pele

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensaio:	OCDE 404
Espécie:	Cobaia
Resultado:	Efeitos adversos observados (Irritante)

Produto/Ingrediente	2-fenoxietanol
Resultado:	Efeitos adversos observados (Corrosivo)

Com base nos dados disponíveis, não atende os critérios de classificação.

Lesões oculares graves/irritação ocular

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultado:	Efeitos adversos observados (Provoca lesões oculares graves)

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 404
Espécie:	Coelho
Resultado:	Efeitos adversos observados (Ligeiramente irritante)

Produto/Ingrediente	2-fenoxietanol
Resultado:	Efeitos adversos observados (Provoca lesões oculares graves)

Com base nos dados disponíveis, não atende os critérios de classificação.

Sensibilização respiratória
Com base nos dados disponíveis, não atende os critérios de classificação.

Sensibilização da pele
Com base nos dados disponíveis, não atende os critérios de classificação.

Mutagenicidade em células germinativas
Com base nos dados disponíveis, não atende os critérios de classificação.

Carcinogenicidade
Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade à reprodução
Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade para órgãos-alvo específicos (STOT) – exposição única
Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade para órgãos-alvo específicos (STOT) – exposição repetida; e
Com base nos dados disponíveis, não atende os critérios de classificação.

Perigo por aspiração
Com base nos dados disponíveis, não atende os critérios de classificação.

11.2. Outras informações sobre outros perigos

Efeitos a longo prazo
Nenhum conhecido.

Propriedades desreguladoras do sistema endócrino

Outras informações
Nenhum conhecido.

SEÇÃO 12: INFORMAÇÕES ECOLÓGICAS

12.1. Ecotoxicidade

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 203
Espécie:	Peixes, Pimephales promelas
Teste:	LC50
Resultado:	>1-10 mg/L

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 202
Espécie:	Crustáceos, Daphnia magna
Teste:	EC50
Resultado:	>1-10 mg/L

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 201
Espécie:	Andere waterorganismen, Desmodesmus subspicatus
Teste:	EC50

Resultado:	>1-10 mg/L

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 209
Espécie:	Pseudomonas putida
Compartimento ambiental:	Instalação de Lamas Ativadas
Teste:	EC0
Resultado:	>100 mg/L

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 210
Espécie:	Peixes
Teste:	NOEC
Resultado:	>0,1-1 mg/L

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensaio:	OCDE 211
Espécie:	Crustáceos, Daphnia magna
Teste:	NOEC
Resultado:	>0,1-1 mg/L

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensaio:	OCDE 201
Espécie:	Algas
Compartimento ambiental:	Água doce
Duração:	72 horas
Teste:	EC50
Resultado:	410 mg/L

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensaio:	OCDE 203
Espécie:	Peixes
Compartimento ambiental:	Água doce
Duração:	96 horas
Teste:	LC50
Resultado:	2,9 mg/L

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensaio:	OCDE 201
Espécie:	Algas
Compartimento ambiental:	Água doce
Duração:	72 horas
Teste:	NOEC
Resultado:	4,9 mg/L

Produto/Ingrediente	2-fenoxietanol
Espécie:	Peixes
Duração:	96 horas
Teste:	LC50
Resultado:	>100 mg/L

Produto/Ingrediente	2-fenoxietanol
Espécie:	Algas
Duração:	72 horas
Teste:	ErC50
Resultado:	>100 mg/L

Produto/Ingrediente	2-fenoxietanol

Espécie:	Daphnia magna
Duração:	48 horas
Teste:	EC50
Resultado:	>100 mg/L

Produto/Ingrediente	2-fenoxietanol
Espécie:	Peixes
Teste:	NOEC
Resultado:	23 mg/L

Produto/Ingrediente	2-fenoxietanol
Espécie:	Andere waterorganismen
Duração:	30 minutes
Teste:	EC50
Resultado:	>1000 mg/L

Com base nos dados disponíveis, não atende os critérios de classificação.

12.2. Persistência e degradabilidade

Produto/Ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusão:	Elevada biodegradabilidade

Produto/Ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusão:	Elevada biodegradabilidade

Produto/Ingrediente	2-fenoxietanol
Resultado:	>70
Conclusão:	Elevada biodegradabilidade
Teste:	OCDE 301 A

12.3. Potencial bioacumulativo

Produto/Ingrediente	2-fenoxietanol
BCF:	0.349
LogKow:	1.2
Conclusão:	-

12.4. Mobilidade no solo

Nenhum dado disponível.

12.7. Outros efeitos adversos

Nenhum conhecido.

SEÇÃO 13: CONSIDERAÇÕES SOBRE DESTINAÇÃO FINAL

Métodos recomendados para destinação final

Este produto não é abrangido pelos regulamentos sobre resíduos perigosos.

Embalagem contaminada

As embalagens que contenham restos do produto devem ser descartadas da mesma forma que o produto.

SEÇÃO 14: INFORMAÇÕES SOBRE TRANSPORTE

	14.1 ONU	14.2 Nome apropriado para embarque	14.3 Classe/subclasse	14.4 PG*	14.5. Env**	Outras informações :
ANTT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-

	14.1 ONU	14.2 Nome apropriado para embarque	14.3 Classe/subclasse	14.4 PG*	14.5. Env**	Outras informações :
IATA	-	-	-	-	-	-

* Grupo de embalagem

** Perigo ao meio ambiente

Informação adicional

Não listado como mercadorias perigosas nos termos dos regulamentos ANTT, IATA e IMDG.

14.6. Precauções especiais para o utilizador

Não aplicável.

SEÇÃO 15: INFORMAÇÕES SOBRE REGULAMENTAÇÕES

15.1. Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente

Restrições a aplicação:

Somente para uso de profissionais.

Exigências para educação específica:

Sem requisitos específicos.

SEVESO - Categorias / Substâncias perigosas:

Não aplicável.

Informação adicional:

Não aplicável.

Fontes:

ABNT NBR 14725:2023. Produtos químicos — Informações sobre segurança, saúde e meio ambiente Parte 2: Sistema de classificação de perigo.
Leis do Trabalho – CLT e normas correlacionadas.

15.2. Avaliação da segurança química

Não

SEÇÃO 16: OUTRAS INFORMAÇÕES

O texto integral das advertências de perigo- conforme mencionado na secção 3

H302, Prejudicial se for engolido.
H315, Provoca irritação à pele.
H318, Provoca lesões oculares graves.
H319, Provoca irritação ocular grave.
H335, Pode provocar irritação das vias respiratórias.
H412, Nocivo para os organismos aquáticos com efeitos prolongados.

O texto integral dos usos identificados conforme mencionado na secção 1

Nenhum conhecido.

Abreviaturas e siglas

ABNT = Associação Brasileira de Normas Técnicas
ADR = Acordo Europeu relativo ao Transporte Internacional de Carga Perigosa por via terrestre
ANTT = Agência Nacional de Transporte Terrestre
ATE = Toxicidade Aguda Estimada
BCF = Fator de Bioconcentração
CAS = Chemical Abstracts Service
CA = Certificado de aprovação
DNEL = Nível Derivado sem Efeito
GHS = Sistema Harmonizado Globalmente para a Classificação e Rotulagem de Produtos Químicos
IATA = Associação Internacional de Transporte Aéreo

IBC = Recipiente intermediário a granel
IMDG = Transporte Marítimo Internacional de Material Perigoso
LogPow = logaritmo do octanol/coeficiente de partição da água
MARPOL = Convenção Internacional para a Prevenção da poluição por Navios, 1973 alterada pelo Protocolo de 1978. ("Marpol" = poluição da marinha)
mPmB = Muito Persistente e Muito Bioacumulável
NBR = Norma Brasileira Regulamentadora
OCDE = Organização de Cooperação e Desenvolvimento Económico
PBT = Persistente, Bioacumulável e Tóxico
PNEC = Concentração previsível sem efeito
UVBC = Composição desconhecida ou variável; contém produtos sujeitos a reação complexa ou composto de materiais biológicos.

Informação adicional

Não aplicável.

A ficha de informações de segurança de produtos químicos é validada por

Quality & Compliance

Outro

Uma alteração (na proporção da última mudança essencial (primeira cifra na versão FDS)) está assinalada com um triângulo.
A informação constante nesta ficha de informações de segurança de produtos químicos aplica-se apenas a este produto específico (mencionado na seção 1) e não se aplica necessariamente no caso de utilização de outros químicos/produtos.
Recomenda-se a entrega desta ficha de informações de segurança de produtos químicos ao utilizador atual do produto. A informação constante nesta ficha de informações de segurança de produtos químicos não pode ser usada como uma especificação do produto.
Idioma do país: BR-pt-BR

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
8/5/2025

SDS Version:
2.0

Date of previous version:
7/16/2025 (2.0)

1.4. Emergency telephone number

In an emergency call 911
Alberta / Northwestern Territories (PADIS): 1-800-332-1414
British Columbia (DPIC): 1-800-567-8911
Manitoba: 1-855-7POISON (1-855-776-4766)
New Brunswick: 911
Nova Scotia / Prince Edward Island (IWK): 1-800-565-8161
Ontario (OPC): 1-800-268-9017
Québec (CAPQ): 1-800-463-5060
Saskatchewan (PADIS): 1-866-454-1212
Yukon Territory: (867) 393-8700
Transport emergenices: Call CANUTEC at 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone (24 hours)
See also section 4 “First aid measures”.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified as hazardous according to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272).

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %)	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8	1-3%	Skin Irrit. 2, H315	
2-phenoxyethanol	CAS No.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:
If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
ALBERTA

2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m³): 5
Annotations:
3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA
2,2',2''-nitrilotriethanol
Time-Weighted Average Limit (TWA): 5 mg/m³
OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO
Propane-1,2-diol
Time-Weighted Average Limit (TWA): 50 ppm (Vapour and aerosol) ; 155 mg/m³ (Vapour and aerosol) ; 10 mg/m³ (Aerosol only)

2-phenoxyethanol
Time-Weighted Average Limit (TWA): 25 ppm / 141 mg/m³
Annotations:
"Skin" = Danger of cutaneous absorption.

2,2',2''-nitrilotriethanol
Time-Weighted Average Limit (TWA): 0.5 ppm / 3.1 mg/m³
Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC
2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m³): 5
Annotations:
S = Sensitizer.
Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN
2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m³): 5
Short term exposure limit (15 minutes) (mg/m³): 10
The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	

Work situation	Type	Standards	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°F):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 402
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (vapour)
Result:	> 3551 mg/m3 mg/m^3

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 425
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	550 mg/kg

Product/substance	N,N-dimethyldec-9-enamide

Route of exposure:	Oral
Test:	NOAEL
Result:	200 mg/kg bw/day

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Product/substance	N,N-dimethyldec-9-enamide
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	N,N-dimethyldec-9-enamide
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

Other information
2,2',2''-nitrilotriethanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC
Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50

Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol

Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 203
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>7,5 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	2,8 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Species:	Fish, Daphia
Duration:	21 days
Test:	NOEC
Result:	0,28 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 210
Species:	Fish, Danio rerio
Test:	NOEC
Result:	>= 0,71 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 201
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	> 9 mg/L

Product/substance	N,N-dimethyldec-9-enamide
Test method:	OECD 201
Species:	Algae
Duration:	96 hours
Test:	NOEC
Result:	1,1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

Product/substance	N,N-dimethyldec-9-enamide
Result:	63,93%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

12.3. Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

Product/substance	N,N-dimethyldec-9-enamide
LogKow:	log Kow : 3.17 (OESO 117)
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
TDG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to TDG, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Canadian lists

NDSL:

None of the components are listed

DSL:

Propane-1,2-diol
Amides, rape-oil, N-(hydroxyethyl), ethoxylated
2-phenoxyethanol
2,2',2''-nitrilotriethanol
N,N-dimethyldec-9-enamide

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

Additional information

Not applicable.

15.7. Chemical safety assessment

No

Sources

Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
DSL = Domestic Substances List
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HHNOC = Health Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NDSL = Non-domestic substances list
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PHNOC = Physical Hazards Not Otherwise Classified
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit.
SOR = Statutory Orders and Regulations
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TDG = Transportation of Dangerous Goods
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHIMS = Workplace Hazardous Materials Information System

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: CA-en

FICHE DE DONNÉES DE SÉCURITÉ

i.2 kitchen cleaner FlexDose Ultra

RUBRIQUE 1: IDENTIFICATION.

1.1. Identificateur de produit

Marque commerciale:
i.2 kitchen cleaner FlexDose Ultra

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:
Produits de lavage et de nettoyage (y compris produits à base de solvants)
Réservé aux utilisateurs professionnels.

Utilisations déconseillées :
Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Courriel:
info@hygeniq.com

Fiche de données de sécurité rédigée le:
2025-08-05

Version de la fiche de données de sécurité:
2.0

Date de la précédente édition:
2025-07-16 (2.0)

1.4. Numéro d'appel d'urgence

Dans un cas d'urgence contacter 911
Alberta / Territoires du Nord-Ouest (PADIS): 1-800-332-1414
Colombie-Britannique (DPIC): 1-800-567-8911
Manitoba: 1-855-7POISON (1-855-776-4766)
Nouveau-Brunswick: 911
Nouvelle-Écosse / Île-du-Prince-Édouard (IWK): 1-800-565-8161
Ontario (CAO): 1-800-268-9017
Québec (CAPQ): 1-800-463-5060
Saskatchewan (PADIS): 1-866-454-1212
Yukon: (867) 393-8700
D'urgence, transport: Veuillez contacter CANUTEC au 1-888-CAN-UTEC (226-8832), 613-996-6666 ou *666 sur un téléphone cellulaire (24 h)
Voir la rubrique 4 concernant premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé comme dangereux selon le Règlement sur les produits dangereux DORS/2015-17 (tel que modifié par DORS/2022-272).

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:
Sans objet.

Mention d'avertissement:
Sans objet.

Mention(s) de danger:

Conseil(s) de prudence:

Précautions:
-

générales:
-

Intervention:
-

Stockage:
-

Élimination:
-

Contient:
Ne contient pas de substances dont la déclaration est obligatoire

Autre étiquetage:
Sans objet.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances

Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N° CAS : 147170-44-3	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %)	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N° CAS : 85536-23-8	1-3%	Skin Irrit. 2, H315	
2-phénoxyéthanol	N° CAS : 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

[19] UVCB = substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques.

RUBRIQUE 4: PREMIERS SOINS

4.1. Description des premiers secours

Généralités:

Si la respiration est irrégulière, la somnolence, la perte de conscience ou des crampes : Appelez 911 et donnez le traitement immédiatement (premiers secours)
En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

Inhalation:

En cas de gêne : sortez la personne à l'air frais.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

Contact visuel:

Rincer délicatement à l'eau tiède. Retirer les éventuelles lentilles de contact si cela est facile à faire. Continuer à rincer. En cas d'irritation ou de gêne oculaire persistante : consulter un médecin.

Ingestion:

Rincez la bouche abondamment et buvez de grandes quantités d'eau. En cas de gêne continue : consultez une assistance médicale et présentez cette fiche de données de sécurité.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES À PRENDRE EN CAS D'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.
Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :
Les oxydes de carbone (CO / CO2)

5.3. Conseils aux pompiers

Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DÉVERSEMENT ACCIDENTEL

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Assurer une ventilation adéquate, en particulier dans les espaces confinés.
Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement

Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.
Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage

Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.
Nettoyez autant que possible avec des produits de nettoyage ordinaires. Evitez les solvants.

6.4. Référence à d'autres rubriques

Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.
Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANUTENTION ET STOCKAGE.

7.1. Précautions à prendre pour une manipulation sans danger

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.
Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les compatibilités en matière de conditionnement:
Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:
Sec, frais et bien ventilé

Matières incompatibles:
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)

Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle

ALBERTA

2,2',2''-nitrilotriethanol
Valeur limite (8 heures) (VLEP) (mg/m^3): 5
Observations:
3 =La limite d'exposition professionnelle est basée sur des effets d'irritation et son ajustement pour compenser des horaires de travail inhabituels n'est pas nécessaire.

Ordre du code de la santé et de la sécurité au travail de 2009, Alta Règl. 87/2009 (révisé en 2018)

LA COLOMBIE-BRITANNIQUE
2,2',2''-nitrilotriethanol
Moyenne pondérée dans le temps (TWA): 5 mg/m^3
Règlement SST, partie 5: Agents chimiques et agents biologiques.

ONTARIO
Propane-1,2-diol
Moyenne pondérée dans le temps (TWA): 50 ppm (Vapour and aerosol) ; 155 mg/m^3 (Vapour and aerosol) ; 10 mg/m^3 (Aerosol only)

2-phénoxyéthanol
Moyenne pondérée dans le temps (TWA): 25 ppm / 141 mg/m^3
Observations:
"Skin" = Risqué de penetration percutanée.

2,2',2''-nitrilotriethanol
Moyenne pondérée dans le temps (TWA): 0.5 ppm / 3.1 mg/m³
Le Règlement 833 (Contrôle de l'exposition à des agents biologiques ou chimiques) et le Règlement de l'Ontario 490/09 (substances désignées)

QUEBEC
2,2',2''-nitrilotriethanol
Valeur limite (8 heures) (VLEP) (mg/m³): 5
Observations:
S = Sensibilsant.
Règlement sur la santé et la sécurité du travail (Chapitre S-2.1, r. 13)

SASKATCHEWAN
2,2',2''-nitrilotriethanol
Valeur limite (8 heures) (VLEP) (mg/m³): 5
Valeur à court terme (15 minutes) (VLCT ou VLE) (mg/m³): 10
Le règlement de 2020 sur la santé et la sécurité au travail, Chapter S15.1 Reg 10 .

8.2. Contrôles de l'exposition

Le respect des valeurs limites indiquées doit être contrôlé régulièrement.

Précautions générales:
La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:
Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:
Les utilisateurs professionnels sont concernés par la législation sur l'environnement de travail qui concerne les concentrations maximales auxquelles il est permis d'être exposé. Voir les valeurs limites d'hygiène de travail indiquées ci-dessus.

Mesures techniques:
La formation de vapeur doit être minimale et rester sous les valeurs limites actuelles (voir ci-dessus). Si l'aération n'est pas suffisante dans la pièce, l'installation d'un système local de ventilation est recommandée. Assurez-vous que les douches oculaires et les douches d'urgence sont clairement indiquées.
Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

Mesures d'hygiène:
Se laver les mains après utilisation.

Mesures pour la limitation de l'exposition à l'environnement:
Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:
Utilisez uniquement des équipements de protection portant un marquage de certification reconnu, par exemple le marquage UL.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
En cas d'exposition prolongée ou de	Rien de spécial quand utilisé tel	-	-	-	

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
concentration élevée	que prévu				
	Nitril	0.35			

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:
Liquide

▼*Couleur:*
Incolore

Odeur:
Caractéristique

Seuil olfactif (ppm):
Aucune information disponible.

pH:
ca. 9.0

Densité (g/cm³):
1,04 (20 °C)

Viscosité cinématique:
Aucune information disponible.

Caractéristiques des particules:
Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):
Aucune information disponible.

Le point/l'intervalle de ramollissement (°F):
Ne s'applique pas aux liquides.

Point d'ébullition (°C):
Aucune information disponible.

Pression de vapeur:
Aucune information disponible.

Densité de vapeur:
Aucune information disponible.

Température de décomposition (°C):
Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):
Aucune information disponible.

Inflammabilité (°C):

Aucune information disponible.

Température d'auto-inflammation (°C):
Aucune information disponible.

Limite d´explosivité (% v/v):
Aucune information disponible.

Solubilité

Solubilité dans l'eau:
Complètement soluble

n-octanol/coefficient d'eau (LogKow):
Aucune information disponible.

Solubilité dans la graisse (g/L):
Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:
Aucune information disponible.

Capacités oxydantes:
Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité
Aucune information disponible.

10.2. Stabilité chimique
Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses
Aucune connue.

10.4. Conditions à éviter
Aucune connue.

10.5. Matières incompatibles
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux
Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: DONNÉES TOXICOLOGIQUES

11.1. Informations sur les effets toxicologiques

Toxicité aiguë

Produit/composant	Propane-1,2-diol
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>20000 mg/kg

Produit/composant	Propane-1,2-diol
Espèce :	Lapin
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Propane-1,2-diol
Espèce :	Rat

Voie d'exposition :	Inhalation
Test :	CL50
Valeur :	44.9 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 401
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>5.000 mg/kg

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 402
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2.000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	1840 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Lapin
Voie d'exposition :	Cutanée
Valeur :	>5000 mg/kg

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 402
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>5000 mg/kg

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 403
Espèce :	Rat
Voie d'exposition :	Inhalation
Test :	CL50 (vapeurs)

Valeur :	> 3551 mg/m3 mg/m³

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 425
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	550 mg/kg

Produit/composant	N,N-dimethyldec-9-enamide
Voie d'exposition :	Orale
Test :	CSENO
Valeur :	200 mg/kg/jour

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant	Propane-1,2-diol
Valeur :	Aucun effet nocif observé (Non irritant)

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 404
Espèce :	Cochon d'Inde
Valeur :	Effets nocifs observés (Irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Corrosif)

Produit/composant	N,N-dimethyldec-9-enamide
Valeur :	Effets nocifs observés (Irritant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant	Propane-1,2-diol
Valeur :	Effets nocifs observés (Légèrement irritant)

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 404
Espèce :	Lapin
Valeur :	Effets nocifs observés (Légèrement irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant	N,N-dimethyldec-9-enamide
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Effets sur le long terme
Aucune connue.

Autres informations
2,2',2''-nitrilotriethanol: La substance a été classée dans le groupe 3 par le CIRC.

RUBRIQUE 12: DONNÉES ÉCOLOGIQUES

12.1. Toxicité

Produit/composant	Propane-1,2-diol
Espèce :	Poisson, Oncorhynchus mykiss
Durée :	96 heures
Test :	CL50
Valeur :	40613 mg/L

Produit/composant	Propane-1,2-diol
Espèce :	Crustacés, Ceriodaphnia Dubia
Durée :	48 heures
Test :	CL50
Valeur :	18340 mg/L

Produit/composant	Propane-1,2-diol
Espèce :	Crustacés, Ceriodaphnia Dubia
Durée :	7 jours
Test :	CSEO
Valeur :	13020 mg/L

Produit/composant	Propane-1,2-diol
Espèce :	Algues, Pseudokirchneriella subcapitata
Durée :	96 heures
Test :	ErC50
Valeur :	19000 mg/L

Produit/composant	Propane-1,2-diol
Espèce :	Bactéries, Pseudomonas putida
Durée :	18 hours
Test :	CSEO
Valeur :	>20000 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 203
Espèce :	Poisson, Pimephales promelas
Test :	CL50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Méthode d'essai :	OCDE 202
Espèce :	Crustacés, Daphnia magna
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 201
Espèce :	Andere waterorganismen, Desmodesmus subspicatus
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 209
Espèce :	Pseudomonas putida
Milieu environnemental :	Installation à boue activé
Test :	EC0
Valeur :	>100 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 210
Espèce :	Poisson
Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 211
Espèce :	Crustacés, Daphnia magna
Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CE50
Valeur :	410 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 203
Espèce :	Poisson
Milieu environnemental :	Eau douce
Durée :	96 heures
Test :	CL50
Valeur :	2,9 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CSEO
Valeur :	4,9 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Poisson
Durée :	96 heures
Test :	CL50

Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Algues
Durée :	72 heures
Test :	ErC50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Daphnia magna
Durée :	48 heures
Test :	CE50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Poisson
Test :	CSEO
Valeur :	23 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Andere waterorganismen
Durée :	30 minutes
Test :	CE50
Valeur :	>1000 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 203
Espèce :	Poisson
Durée :	96 heures
Test :	CL50
Valeur :	>7,5 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 202
Espèce :	Crustacés, Daphnia magna
Durée :	48 heures
Test :	CE50
Valeur :	2,8 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Espèce :	Poisson, Daphia
Durée :	21 jours
Test :	CSEO
Valeur :	0,28 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 210
Espèce :	Poisson, Danio rerio
Test :	CSEO
Valeur :	>= 0,71 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 201
Espèce :	Algues
Durée :	96 heures
Test :	CE50
Valeur :	> 9 mg/L

Produit/composant	N,N-dimethyldec-9-enamide
Méthode d'essai :	OCDE 201
Espèce :	Algues

Durée :	96 heures
Test :	CSEO
Valeur :	1,1 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant	Propane-1,2-diol
Valeur :	96%
Conclusion :	Biodégradabilité facile

Produit/composant	Propane-1,2-diol
Durée :	28 jours
Valeur :	81 %
Conclusion :	Biodégradabilité facile

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion :	Biodégradabilité facile

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion :	Biodégradabilité facile

Produit/composant	2-phénoxyéthanol
Valeur :	>70
Conclusion :	Biodégradabilité facile
Test :	OCDE 301 A

Produit/composant	N,N-dimethyldec-9-enamide
Valeur :	63,93%
Conclusion :	Biodégradabilité facile
Test :	OCDE 301 B

12.3. Potentiel de bioaccumulation

Produit/composant	Propane-1,2-diol
BCF:	0,09
LogKow :	-1,07
Conclusion :	Aucun potentiel de bioaccumulation

Produit/composant	2-phénoxyéthanol
BCF:	0.349
LogKow :	1.2
Conclusion :	-

Produit/composant	N,N-dimethyldec-9-enamide
LogKow :	log Kow : 3.17 (OESO 117)
Conclusion :	-

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

12.6. Autres effets néfastes

Aucune connue.

RUBRIQUE 13: DONNÉES SUR L'ÉLIMINATION

Méthodes de traitement des déchets

Aucun des composants n'est répertorié

Étiquetage spécifique

Emballages pollués

Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres informations :
TDG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre

Marchandises non dangereuses conformément à Règlement sur TDG, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur

Sans objet.

14.7. Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC

Aucune information disponible.

RUBRIQUE 15: INFORMATIONS SUR LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

15.2. Listes canadiennes

LES:

Aucun des composants n'est répertorié

Liste intérieure:

Propane-1,2-diol
Amides, rape-oil, N-(hydroxyethyl), ethoxylated
2-phénoxyéthanol
2,2',2''-nitrilotriethanol
N,N-dimethyldec-9-enamide

15.4. Limites d'utilisation

Réservé aux utilisateurs professionnels.

15.5. Demandes de formation spécifique

Pas d'exigences particulières.

Autre

Sans objet.

15.7. Évaluation de la sécurité chimique

Non

Sources

Règlement sur les produits dangereux DORS/2015-17 (tel que modifié par DORS/2022-272)

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3

H302, Nocif en cas d'ingestion.
H315, Provoque une irritation cutanée.
H318, Provoque de graves lésions des yeux.
H319, Provoque une sévère irritation des yeux.
H335, Peut irriter les voies respiratoires.

Précisions sur les utilisations identifiées dont il est question dans la rubrique 1

Aucune connue.

Abréviations et acronymes

ANSI = L'American National Standards Institute
CAS = Numéro du Chemical Abstract Service
COV = Composés Organiques Volatils
DORS = Décrets, Ordonnances et Règlements Statutaires
DPNCA = Dangers physiques non classifiés ailleurs
DSNCA = Dangers pour la santé non classifiés ailleurs
ETA = Estimation de la Toxicité Aiguë
FBC = Facteur de Bioconcentration
IARC = Le Centre international de Recherche sur le Cancer (CIRC)
IATA = Association Internationale du Transport Aérien
IMDG = Maritime international des marchandises dangereuses
LES = Liste extérieure des substances
LogKoe = Coefficient de partage octanol/eau
MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)
NU = Nations Unies
OCDE = Organisation de Coopération et de Développement Economiques
RRN = Numéro d'enregistrement REACH
SCL = Limite de concentration spécifique (LCS).
SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques
SIMDUT = Système d'information sur les matières dangereuses utilisées au travail
STEL = Limite d'exposition de courte durée
TDG = Transport des Marchandises Dangereuses
TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée
TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique
TWA = Moyenne pondérée dans le temps
UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

Autre

Sans objet.

Homologué par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.
Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.
Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.
Pays-langue : CA-fr

SICHERHEITSDATENBLATT

i.2 kitchen cleaner FlexDose Ultra

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

Handelsname:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:
Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:
Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:
info@hanos.nl

Überarbeitet am:
05.08.2025

SDB Version:
2.0

Datum der letzten Ausgabe:
16.07.2025 (2.0)

1.4. Notrufnummer

Tox Info Suisse: 145 (24 Stunden täglich)
Aus dem Ausland: +41 44 251 51 51
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:
Nicht zutreffend.

Signalwort:
Nicht zutreffend.

Gefahrenhinweise:
Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:
-

Prävention:
-

Reaktion:
-

Lagerung:
-

Entsorgung:
-

Enthält:
Enthält keine meldepflichtigen Substanzen

▼*Andere Kennzeichnungen:*
EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.
Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

2.3. Sonstige Gefahren

Anderes:
Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.
Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe
Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-Nr.: 147170-44-3 EG-Nr.: 604-575-4 REACH: Indexnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-Nr.: 85536-23-8 EG-Nr.: REACH: 01-2119565130-50-0000 Indexnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-Phenoxyethanol	CAS-Nr.: 122-99-6 EG-Nr.: 204-589-7 REACH: 01-2119488943-21 Indexnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[19] UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen. Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen. Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

▼*Nach Einatmen:*

Bei Unwohlsein: Person an die frische Luft bringen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

▼*Nach Augenkontakt:*

Sanft mit lauwarmem Wasser ausspülen. Entfernen Sie eventuelle Kontaktlinsen, wenn dies ohne Aufwand möglich ist. Weiter ausspülen. Bei anhaltender Augenreizung oder Unbehagen: Ärztliche Hilfe in Anspruch nehmen.

▼*Nach Verschlucken:*

Den Mund gründlich spülen und reichlich Wasser trinken. Bei andauerndem Unwohlsein: Arzt aufsuchen und dieses Datensicherheitsblatt vorlegen.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.
Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:
Kohlenmonoxide (CO / CO2)

5.3. Hinweise für die Brandbekämpfung
Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren
Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.
Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen
Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.
Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung
Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.
Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte
Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.
Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung
Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.
Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. ▼Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Geeigneten Verpackung:
Nur in Originalverpackung aufbewahren.

Lagerbedingungen:
Trocken, kühl und gut belüftet.

Unverträgliche Materialien:
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen
Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter
2-Phenoxyethanol
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 110
Kurzzeitwert (15 Minuten) (ppm): 20
Kurzzeitwert (15 Minuten) (mg/m³): 110
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 20
Bemerkungen:
SSC = Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

2,2',2''-nitrilotriethanol
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 5 einatembarer Staub(Gesamtstaub)
Kurzzeitwert (15 Minuten) (mg/m³): 5 einatembarer Staub(Gesamtstaub)
Bemerkungen:
SSC = Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

Grenzwerte am Arbeitsplatz: MAK-/BAT-Werte (Erläuterungen), physikalische Einwirkungen, physische Belastungen. (Publikationsnummer 1903.d)

DNEL

2-Phenoxyethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen	Dermal	10,42 mg/kg
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	20,83 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	34.72 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen	Inhalation	2,41 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	8.07 mg/m³
Langfristig	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	3.1 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	6.3 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1,25 mg/m³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.25 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	3.1 mg/kg/Tag

PNEC

2-Phenoxyethanol

Expositionswege:	**Dauer der Aussetzung:**	**PNEC:**
Erde		1,26 mg/kg
Kläranlagen		24,8 mg/L
Kläranlagen	Einzeln	36 mg/L
Seewasser		0.0943 mg/L
Seewassersedimente		0,7237 mg/kg
Süßwasser		0,943 mg/L
Süßwassersedimente		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Expositionswege:	**Dauer der Aussetzung:**	**PNEC:**
Erde		151 µg/kg
Kläranlagen		10 mg/L
Pulsierende Freisetzung (Süßwasser)		5.12 mg/L
Seewasser		32 µg/L
Seewassersedimente		170 µg/kg
Süßwasser		320 µg/L
Süßwassersedimente		1.7 mg/kg

8.2. ▼Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:
Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:
Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:
Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:
Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind.
Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

▼*Hygienemaßnahmen:*
Nach Gebrauch Hände waschen.

Begrenzung der Umweltexposition:
Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:
Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
Im Falle längere Exposition oder bei hoher Konzentration	Keine Besonderheiten bei normal vorgesehenem Gebrauch	-	-	-	
	Nitril	0.35			

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:
Flüssig

▼*Farbe:*
Farblos

Geruch / Geruchsschwelle (ppm):
Charakteristisch

pH:
ca. 9.0

Dichte (g/cm^3):
1.04 (20 °C)

Kinematische Viskosität:
Es liegen keine Daten vor.

Partikeleigenschaften:
Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):
Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):
Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):
Es liegen keine Daten vor.

Dampfdruck:
Es liegen keine Daten vor.

Relative Dampfdichte:
Es liegen keine Daten vor.

Zersetzungstemperatur (°C):
Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):
Es liegen keine Daten vor.

Entzündbarkeit (°C):
Es liegen keine Daten vor.

Zündtemperatur (°C):
Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):
Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:
Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):
Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):
Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:
Es liegen keine Daten vor.

Brandfördernde Eigenschaften:
Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität
Es liegen keine Daten vor.

10.2. Chemische Stabilität
Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen
Keine bekannt.

10.4. Zu vermeidende Bedingungen
Keine bekannt.

10.5. Unverträgliche Materialien
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte
Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 401
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>5.000 mg/kg

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 402
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2.000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal

Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	1840 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Kaninchen
Expositionswegen:	Dermal
Ergebnis:	>5000 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 404
Spezies:	Meerschweinchen
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Ätzend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 404
Spezies:	Kaninchen
Ergebnis:	Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise
Keine bekannt.

Endokrinschädlichen Eigenschaften
Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben
2,2',2''-nitrilotriethanol: Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 203
Spezies:	Fisch, Pimephales promelas
Test:	LC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 202
Spezies:	Krustentier, Daphnia magna
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 201
Spezies:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 209
Spezies:	Pseudomonas putida
Umwelt-kompartiment :	Aktivierte Kläranlage
Test:	EC0
Ergebnis:	>100 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 210
Spezies:	Fisch
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 211
Spezies:	Krustentier, Daphnia magna
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	EC50

Ergebnis:	410 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 203
Spezies:	Fisch
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	2,9 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	NOEC
Ergebnis:	4,9 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Algen
Prüfdauer:	72 Stunden
Test:	ErC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Daphnia magna
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Test:	NOEC
Ergebnis:	23 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Andere waterorganismen
Prüfdauer:	30 minutes
Test:	EC50
Ergebnis:	>1000 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	>70
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 A

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz	2-Phenoxyethanol
BCF:	0.349
LogKow:	1.2
Ergebnis:	-

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt fällt nicht unter die Regeln für gefährliche Abfälle.
VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30 Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN-Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:
Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:
Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:
Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

WGK-Einstufung:
Wassergefährdungsklasse: WGK 3

Anderes:
Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:
SR 814.81 Verordnung zur Reduktion von Risiken beim Umgang mit bestimmten besonders gefährlichen Stoffen, Zubereitungen und Gegenständen (Chemikalien-Risikoreduktions-Verordnung, ChemRRV) vom 18. Mai 2005 (Anhang 2.1)
SR 814.610 Verordnung über den Verkehr mit Abfällen (VeVA) vom 22. Juni 2005 (Stand am 1. Januar 2020)
SR 814.610.1 Verordnung des UVEK über Listen zum Verkehr mit Abfällen vom 18. Oktober 2005 (Stand am 1. Januar 2018)
SR 813.11 Verordnung über den Schutz vor gefährlichen Stoffen und Zubereitungen (Chemikalienverordnung, ChemV) vom 5. Juni 2015 (Stand am 1. April 2020)

15.2. Stoffsicherheitsbeurteilung
Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)
H302, Gesundheitsschädlich bei Verschlucken.
H315, Verursacht Hautreizungen.
H318, Verursacht schwere Augenschäden.
H319, Verursacht schwere Augenreizung.
H335, Kann die Atemwege reizen.
H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme
ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen
ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse
ak = andere kontrollpflichtige Abfälle
akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht

ATE = Schätzwert akute Toxizität
BCF = Biokonzentrationsfaktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (Europäische Konformität)
CLP =Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]
CSA = Stoffsicherheitsbeurteilung
CSR = Stoffsicherheitsbericht
DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert
DNEL = Abgeleiteter Nicht-Effekt-Grenzwert
EAK = Europäischer Abfallkatalog
EINECS = Altstoffverzeichnis
ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis
EuPCS = Europäisches Produktkategorisierungssystem
GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
GWP = Potenzial zur Erwärmung der Erdatmosphäre
IATA = Internationale Flug-Transport-Vereinigung
IBC = Intermediate Bulk Container
IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr
LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten
MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)
nwg = Nicht wassergefährdend
OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung
PBT = Persistent, bioakkumulierbar und toxisch
PNEC = Abgeschätzte Nicht-Effekt-Konzentration
RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter
RRN = REACH Registriernummer
S = Sonderabfälle
SCL = Spezifischen Konzentrationsgrenzwert.
SVHC = Besonders besorgniserregende Substanzen
STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition
STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition
UN = Vereinigte Nationen
UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.
VOC = Flüchtige organische Verbindungen
vPvB = Sehr persistent und sehr bioakkumulierbar
WGK = Wassergefährdungsklasse

Anderes
Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch
Quality & Compliance

Anderes
Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit eine Dreieck markiert.
Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.
Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.
Land-sprache: CH-de

HOJAS DE DATOS DE SEGURIDAD

i.2 kitchen cleaner FlexDose Ultra

SECCIÓN 1. IDENTIFICACIÓN DE LA SUSTANCIA O MEZCLA Y DE LA SOCIEDAD O EMPRESA

Nombre de la sustancia química peligrosa o mezcla

Nombre comercial:
i.2 kitchen cleaner FlexDose Ultra

Uso recomendado de la sustancia química peligrosa o mezcla, y restricciones de uso

Usos pertinentes identificados de la sustancia o de la mezcla:
Agentes de lavado y limpieza (incluso a base de disolventes)
Reservado exclusivamente a usuarios profesionales.

Usos desaconsejados:
Ningunos conocidos.

Datos del proveedor o fabricante

Nombre y dirección de la empresa:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Correo electrónico:
info@hygeniq.com

HDS diseñada el:
05-08-2025

Versión HDS:
2.0

Fecha de la emisión anterior:
16-07-2025 (2.0)

Número de teléfono en caso de emergencia
CITUC Información Toxicológica
Emergencias químicas: Tel: +56 2 2 247 3600 (24h/365 días)
Consulte la sección 4 para obtener información sobre primeros auxilios.

SECCIÓN 2. IDENTIFICACIÓN DEL PELIGRO O LOS PELIGROS

Clasificación de la sustancia o de la mezcla

No clasificado de acuerdo con el Reglamento de clasificación, etiquetado y notificación de sustancias químicas y mezclas peligrosas.

Elementos de la señalización

Pictogramas de precaución:
No aplicable.

Palabra de advertencia:
No aplicable.

Indicaciones de peligro:
No aplicable.

Consejos de prudencia:

Generalidades:
-

Prevención:
-

Intervención:
-

Almacenamiento:
-

Eliminación:
-

Identificación de las sustancias principalmente responsables de los riesgos graves para la salud:
No contiene sustancias que haga falta notificar

Etiquetado adicional:
No aplicable.

SECCIÓN 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

Sustancias
No aplicable. Este producto es una mezcla.

Mezclas

Producto / ingrediente	Identificadores	% w/w	Clasificación	Notas
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N° CAS: 147170-44-3 N° CE: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N° CAS: 85536-23-8 N° CE:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxietanol	N° CAS: 122-99-6 N° CE: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

La redacción completa de las frases H se encuentra en la sección 16. Los límites de las condiciones laborales correctas se mencionan en la sección 8, siempre y cuando sean accesibles.

Otra información
[19] UVCB = significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos.

SECCIÓN 4. PRIMEROS AUXILIOS

Descripción de los primeros auxilios

General:
En caso de accidente: Póngase en contacto con el medico o vaya a emergencias. Llévese la etiqueta o esta hoja de datos de seguridad.
Si los síntomas son permanentes o si tiene alguna duda sobre la situación del accidentado, consulte a un médico.
Nunca dé agua ni nada parecido a una persona inconsciente.

Inhalación:
En caso de náuseas: Llevar a la persona al aire fresco.

Contacto con la piel:
En caso de irritación: Aclarar el producto. En caso de irritación persistente: Buscar un médico.

Contacto con los ojos:
Aclarar suavemente con agua tibia. Quítese las lentillas si le resulta fácil hacerlo. Seguir aclarando. En caso de irritación o molestias oculares persistentes: acudir al médico.

Ingestión:
Enjuagarse la boca y beber mucha agua. En caso de que las náuseas persistan: buscar un médico y enseñarle ésta hoja de seguridad.

Quemadura:
No aplicable.

Síntomas y efectos más importantes, agudos y crónicos
Ningunos conocidos.

Indicación de la necesidad de recibir atención médica inmediata y, en su caso, tratamiento especial
Tratar sintomáticamente.

Explicación para el médico
Lleve esta hoja de datos de seguridad o la etiqueta del material.

SECCIÓN 5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción apropiados
No aplicable.

Peligros específicos de las sustancias químicas peligrosas o mezclas
En caso de incendio se genera un humo denso. La exposición a productos en descomposición puede representar un peligro para la salud. Los contenedores cerrados expuestos al fuego deben enfriarse con agua. No deje que el agua utilizada para apagar el fuego se vierta en la alcantarillado ni cursos de agua.
Si el producto queda expuesto a altas temperaturas, por ejemplo en caso de incendio, pueden generarse productos en descomposición peligrosos. En concreto:
Óxidos de carbono (CO / CO2)

Medidas especiales que deberán seguir los grupos de combate contra incendio
No tiene requisitos específicos.

SECCIÓN 6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO/DERRAME ACCIDENTAL

Precauciones personales, equipos de protección y procedimientos de emergencia
Las áreas contaminadas pueden ser resbaladizas.

Precauciones relativas al medio ambiente
Evite los vertidos en lagos, ríos, alcantarillas y demás.
Mantenga a las personas no autorizadas alejadas del derrame.

Métodos y materiales para la contención y limpieza de derrames o fugas
Contenga y recoja los derrames con material absorbente no combustible, por ejemplo: arena, tierra, vermiculita o tierra de diatomeas y colocar en un recipiente para su eliminación de acuerdo con las normas locales.
Siempre que sea posible, efectúe la limpieza con detergentes. Evite utilizar disolventes.

Referencia a otras secciones
Consulte la sección 13 "Consideraciones relatives a la eliminación" sobre el manejo de desechos.
Consulte la sección 8 "Controles de exposición/protección individual" para conocer las disposiciones de seguridad.

SECCIÓN 7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones que se deben tomar para garantizar un manejo seguro
No está permitido fumar, comer ni beber en el lugar de trabajo.
Consulte la sección "Controles de exposición/protección individual" para conocer las disposiciones de seguridad personal.

Condiciones de almacenamiento seguro, incluida cualquier incompatibilidad
Consulte el Reglamento de almacenamiento de sustancias peligrosas (Decreto 78) para obtener más orientación.

Compatibilidades de embalaje:
Conservar únicamente en el embalaje original.

Temperatura de almacenamiento:
Conservar en lugar fresco, seco y bien ventilado

Materiales incompatibles:
Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

Usos específicos finales
Este producto sólo debe utilizarse para los fines descritos en la sección 1.2.

SECCIÓN 8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Parámetros de control
El producto no contiene ninguna sustancia incluida en la lista chilena de sustancias con límite de exposición profesional.

Controles de la exposición
Aplicar un control general para evitar exposiciones innecesarias.

Medidas de precaución generales:
No está permitido fumar, comer ni beber en el lugar de trabajo.

Escenarios de exposición:
No hay escenarios de exposición implementados para este producto.

Límites de exposición:
El producto no contiene sustancias con límites de exposición.

Controles técnicos apropiados:
Tome precauciones estándar durante el uso de este producto.Evite la inhalación de vapores.

Disposiciones higiénicas:
Lavarse las manos después de su uso.

Disposiciones para limitar la exposición del entorno:
No tiene requisitos específicos.

Medidas de protección individual, como equipo de protección personal, EPP

General:
Solamente utilizar equipos de protección con la marca CE.

Protección de las vías respiratorias:

Tipo	Clase	Color	Normas	
No se requiere ninguna en especial en condiciones normales de uso.				

Protección de la piel:

Recomendado	Tipo/Categoría	Normas	
No se requiere ninguna en especial en condiciones normales de uso.	-	-	

Manos:

La situación de trabajo	Material	Espesura minima de capa (mm)	Tiempo de penetración (min.)	Normas	
En caso de exposición prolongada o de altas concentraciones	No se requiere ninguna en especial en condiciones normales de uso	-	-	-	
	Nitril	0.35			

Protección de los ojos y la cara:

La situación de trabajo	Tipo	Normas	
	No se requiere ninguna en especial en condiciones normales de uso.	-	
En caso de exposición prolongada o de altas concentraciones	Use gafas de seguridad con protección lateral.	EN166	

SECCIÓN 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre propiedades físicas y químicas básicas

Estado físico:
Líquido

▼*Color:*
Incoloro

Olor:
Característico

Umbral del olor (ppm):
No se dispone de datos.

Potencial de hidrógeno, pH:
ca. 9.0

Densidad (g/cm^3):
1,04 (20 °C)

Viscosidad:
No se dispone de datos.

Cambio de estado y vapores

Punto de fusión/punto de congelación (°C):
No se dispone de datos.

El punto o intervalo/reblandecimiento (°C):
No se aplica a los líquidos.

Punto inicial e intervalo de ebullición (°C):
No se dispone de datos.

Presión de vapor:
No se dispone de datos.

Densidad de vapor:
No se dispone de datos.

Temperatura de descomposición (°C):
No se dispone de datos.

Tasa de evaporación (acetato de n-butilo = 100):

Datos de riesgo de incendio y explosión

Inflamabilidad (°C):
No se dispone de datos.

Inflamabilidad (°C):
No se dispone de datos.

Temperatura de ignición espontánea (°C):
No se dispone de datos.

Límite superior/inferior de inflamabilidad o explosividad (% v/v):
No se dispone de datos.

Solubilidad

Solubilidad en agua:
Completamente soluble

Coeficiente de partición n-octanol/agua:
No se dispone de datos.

Solubilidad en grasa (g/L):
No se dispone de datos.

Otros datos relevantes

Otros parámetros físicos y químicos:
No se dispone de datos.

Propiedades oxidantes:
No se dispone de datos.

SECCIÓN 10. ESTABILIDAD Y REACTIVIDAD

Reactividad
No se dispone de datos.

Estabilidad química
El producto es estable bajo las condiciones indicadas en la sección 7 "Manipulación y almacenamiento".

Posibilidad de reacciones peligrosas
Ningunos conocidos.

Condiciones que deberán evitarse
Ningunos conocidos.

Materiales incompatibles
Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

Productos de descomposición peligrosos
En condiciones normales de almacenamiento y uso, no se deben formar productos de descomposición peligrosos.

SECCIÓN 11. INFORMACIÓN TOXICOLÓGICA

Información sobre los efectos toxicológicos

Toxicidad aguda

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 401
Especies:	Rata

Vía de exposición:	Oral
Prueba:	DL50
Resultado:	>5.000 mg/kg

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 402
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2.000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	2-fenoxietanol
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	1840 mg/kg

Producto / ingrediente	2-fenoxietanol
Especies:	Conejo
Vía de exposición:	Dérmico
Resultado:	>5000 mg/kg

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Corrosión o irritación cutáneas

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 404
Especies:	Cobayo
Resultado:	Se observan efectos adversos (Irritante)

Producto / ingrediente	2-fenoxietanol
Resultado:	Se observan efectos adversos (Corrosivo)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Lesiones o irritación ocular graves

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 404
Especies:	Conejo

Resultado:	Se observan efectos adversos (Ligeramente irritante)

Producto / ingrediente	2-fenoxietanol
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización respiratoria
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización cutánea
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Mutagenicidad en células germinales
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Carcinogenicidad
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad para la reproducción
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad sistémica específica del órgano blanco - Exposición única
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad sistémica específica del órgano blanco - Exposiciones repetidas
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Peligro por aspiración
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Efectos a largo plazo
Ningunos conocidos.

SECCIÓN 12. INFORMACIÓN ECOTOXICOLÓGICA

Toxicidad

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 203
Especies:	Pez, Pimephales promelas
Prueba:	CL50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 202
Especies:	Crustáceo, Daphnia magna
Prueba:	CE50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 201
Especies:	Andere waterorganismen, Desmodesmus subspicatus
Prueba:	CE50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 209
Especies:	Pseudomonas putida
Compartimento medioambiental:	Planta de fango activada
Prueba:	EC0

Resultado:	>100 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 210
Especies:	Pez
Prueba:	NOEC
Resultado:	>0,1-1 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 211
Especies:	Crustáceo, Daphnia magna
Prueba:	NOEC
Resultado:	>0,1-1 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 201
Especies:	Alga
Compartimento medioambiental:	Agua dulce
Duración:	72 horas
Prueba:	CE50
Resultado:	410 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 203
Especies:	Pez
Compartimento medioambiental:	Agua dulce
Duración:	96 horas
Prueba:	CL50
Resultado:	2,9 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 201
Especies:	Alga
Compartimento medioambiental:	Agua dulce
Duración:	72 horas
Prueba:	NOEC
Resultado:	4,9 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Pez
Duración:	96 horas
Prueba:	CL50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Alga
Duración:	72 horas
Prueba:	ErC50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Daphnia magna
Duración:	48 horas
Prueba:	CE50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Pez
Prueba:	NOEC
Resultado:	23 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Andere waterorganismen
Duración:	30 minutes
Prueba:	CE50
Resultado:	>1000 mg/L

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Persistencia y degradabilidad

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusión:	Fácil biodegradabilidad

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusión:	Fácil biodegradabilidad

Producto / ingrediente	2-fenoxietanol
Resultado:	>70
Conclusión:	Fácil biodegradabilidad
Prueba:	OCDE 301 A

Potencial de bioacumulación

Producto / ingrediente	2-fenoxietanol
BCF:	0.349
LogKow:	1.2
Conclusión:	-

Movilidad en el suelo

No se dispone de datos.

Resultados de la valoración PBT y mPmB

No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.

Otros efectos adversos

Ningunos conocidos.

SECCIÓN 13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LA SUSTANCIA O MEZCLA

Métodos para el tratamiento de residuos

El producto no está bajo las normas de residuos peligrosos.

Contenedor contaminado

Los embalajes con restos del producto deben eliminarse siguiendo el mismo procedimiento que el resto del producto.

SECCIÓN 14. INFORMACIÓN RELATIVA AL TRANSPORTE

	14.1 ONU	14.2 Designación oficial de transporte	14.3 Clase(s) de peligro	14.4 PG*	14.5. Env**	Otra información :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-

	14.1 ONU	14.2 Designación oficial de transporte	14.3 Clase(s) de peligro	14.4 PG*	14.5. Env**	Otra información :
IATA	-	-	-	-	-	-

* Grupo de embalaje

** Peligros para el medio ambiente

Otros

Productos no peligrosos de conformidad con el ADR, IATA y el IMDG.

Precauciones especiales para el usuario

No aplicable.

Transporte a granel con arreglo al anexo II de MARPOL 73/78 y al Código CIQ (IBC por sus siglas en inglés).

No se dispone de datos.

SECCIÓN 15. INFORMACIÓN SOBRE LA REGLAMENTACIÓN

Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

Limitaciones de uso:

Reservado exclusivamente a usuarios profesionales.

Requisitos de formación específica:

No tiene requisitos específicos.

Otra información:

No aplicable.

Fuentes:

Decreto 78, Reglamento de almacenamiento de sustancias peligrosas (11-Sep-2010)
Reglamento sobre condiciones sanitarias y ambientales básicas en los lugares de trabajo. Decreto supremo n°594/99.
Código del Trabajo, Dirección del Trabajo, Octubre 2018 (Ley 18.620)
Reglamento sobre prevencion de riesgos profesionales (Decreto Supremo N° 40 de 1969)
Reglamento de clasificación, etiquetado y notificación de sustancias químicas y mezclas peligrosas. Núm. 57, Santiago, 26 de noviembre de 2019.

Evaluación de la seguridad química

No

SECCIÓN 16. OTRAS INFORMACIONES

Redacción completa de las frases H descrita en la sección 3

H302, Nocivo en caso de ingestión.
H315, Provoca irritación cutánea.
H318, Provoca lesiones oculares graves.
H319, Provoca irritación ocular grave.
H335, Puede irritar las vías respiratorias.
H412, Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Redacción completa de las usos identificados mencionados de la sección 1

Ningunos conocidos.

Siglas o abreviaturas

CAS = Servicio de Resúmenes Químicos
COV = Compuestos Orgánicos Volátiles
DOF = Diario Oficial de la Federación
EINECS = Inventario Europeo de Sustancias Químicas Existentes Comercializadas
ETA = Estimación de Toxicidad Aguda
FBC = Factor de Bioconcentración

GHS = Sistema Globalmente Armonizado de Clasificación y Etiquetado de Productos Químicos (SGA)
IARC = Agência Internacional de Pesquisa em Câncer
IATA = Asociación de Transporte Aéreo Internacional
IBC = Contenedor intermedio para productos a granel
IMDG = Código Marítimo Internacional de Mercancías Peligrosas
Log Koc = coeficiente de adsorción del suelo
Log Kow = logaritmo del coeficiente de reparto octanol/agua
MARPOL = Convenio Internacional para Prevenir la Contaminación por los Buques, 1973 con el Protocolo de 1978. ("Marpol" = polución marina)
mPmB = Muy Persistente y Muy Bioacumulativa
NCh = Normas Chilenas
OCDE = Organización de Cooperación y Desarrollo Económico
ONU = Organización de las Naciones Unidas
PBT = Persistente, Bioacumulativo y Tóxico
RID = Reglamento de Transporte Internacional de Mercancías Peligrosas por Ferrocarril
SCL = Límite de concentración específico (LCE).
SGA = Sistema Globalmente Armonizado
STOT-RE = Toxicidad Específica en Determinados Órganos - Exposiciones Repetidas
STOT-SE = Toxicidad Específica en Determinados Órganos - Exposición Única
STPS = Secretario del Trabajo y Previsión Social
UVCB = Significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos

Otra información

El producto no contiene ninguna sustancia incluida en la lista chilena de sustancias con límite de exposición profesional.
No se requiere una ficha de datos de seguridad para este producto. Esta ficha de datos se ha creado de forma voluntaria con el fin de distribuir información relevante.

Ficha de datos de seguridad es validada por

Quality & Compliance

Otros

Las modificaciones en relación a la presente revisión (primera cifra en la Versión FDS, véase sección 1) de esta hoja de datos de seguridad se marcan con un triángulo.
La información que contiene esta hoja de la ficha de datos de seguridad se aplica únicamente al producto indicado en la sección 1 y no tiene por qué ser aplicable si se utiliza con otros productos.
Se recomienda entregar esta hoja de la ficha de datos de seguridad al usuario del producto. La información indicada no se puede utilizar como ficha técnica del producto.
País-idioma: CL-es

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against:
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 (24 h emergency call)

SECTION 2: HAZARDS IDENTIFICATION

Classified according to the chemical classification standards: GB 30000.2-2013 to GB 30000.29-2013.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call Shang Hai center of toxic chemicals

information & consultation (+86 400-6267-911) and give immediate treatment (first aid).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous

earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No substances are listed in GBZ 2.1-2019 with an occupational exposure limit.

8.2. Exposure controls
Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient:
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol

Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

Other information
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

IECSC:
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts is listed
2-phenoxyethanol is listed

Sources:
Regulations on the Safety Administration of Dangerous Chemicals (No.591)
GB30000.1-2024 Rules for classification and labelling of chemicals
GB13690-2009 General rule for classification and hazard communication of chemicals
List of hazardous chemicals (2015)
GB15258-2009 General rules for preparation of precautionary label for chemicals
GB/T 16483-2008 Safety data sheet for chemical products- Content and order of sections
GB/T 17519-2013 Guidance on the compilation of safety data sheet for chemical products

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: CN-en

产品安全技术说明书

i.2 kitchen cleaner FlexDose Ultra

第一部分 物质/制剂及公司/企业标识

1.1. 化学品标识

产品名称*:*
i.2 kitchen cleaner FlexDose Ultra

1.2. 化学品的推荐用途和限制用途

已验明的用途*:*
清潔劑和清潔劑（包括溶劑型清潔劑）
仅用于工业用途。

不推荐用途*:*
未知。

1.3. 安全技术说明书供应商详情

公司详细信息*:*
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

电子邮件*:*
info@hygeniq.com

发行日期*:*
2025/8/5

SDS 版本*:*
2.0

上次发行日期*:*
2025/7/16 (2.0)

1.4. 应急电话号码
中国国内紧急联系电话: +86-10-12320 (二十四小时应急电话)

第2部分 危险性概述

基于化学品分类标准进行分类：GB 30000.2-2013～GB 30000.29-2013。

2.1. 危险性类别
Skin Irrit. 3; H316, 造成轻微皮肤刺激

2.2. 标签要素

象形图*:*
不适用。

信号词*:*
警告

危险性说明:
造成轻微皮肤刺激 (H316)

防范说明::

概要:
-

预防:
-

反应::
如发生皮肤刺激：求医/就诊。 (P332+P313)

贮存:
-

废弃处置:
-

危险成分:
不包含任何需报告的物质

附加标示:
不适用。

第3部分 成分／组成信息

3.1. 物质
本产品是一种混合物

3.2. 混合物

产品/成份名称	标识符	%	分类	备注
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS 号: 147170-44-3 EC: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS 号: 85536-23-8 EC:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS 号: 122-99-6 EC: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

参见第 16 节 H-语句全文。第 8 节列出了职业接触限值（如适用）。

其他信息
UVCB = 成分未知或可变的物质，复杂反应产物或生物材料

第4部分 急救措施

4.1. 急救措施说明

概要:
发生事故时：请联系医生或急诊室——带上标签或安全数据表。

如果对伤者的情况有疑问或症状持续存在，请就医。切勿给无意识的人喝水或其他饮料。

吸入:
发生呼吸困难或呼吸道刺激时：将患者转移到新鲜空气处，并进行陪伴。

皮肤接触:
立即脱掉被污染的衣服和鞋子。确保用水和肥皂彻底清洗暴露的皮肤。可以使用皮肤清洁剂。切勿使用溶剂或稀释剂。

眼睛接触:
如进入眼睛: 用水或盐水（20-30 °C）冲洗眼睛至少 5 分钟。取下隐形眼镜，睁大眼睛。 寻求医疗救助并在转送途中继续冲洗。

摄入:
如果当事人意识清醒，用水漱口，并由专人照看。如有不适，请立即就医，并携带本安全数据表或产品上的标签。除非遵医嘱，否则不要催吐。让受害者前倾，头朝下，避免吸入或呛住呕吐物。

烧伤:
不适用。

4.2. 最重要的症状和效应，包括急性的和延迟的
未知。

4.3. 需要任何即时的医疗关注和特殊处理
对症治疗。

对医生的特别提示
携带本安全数据表。

第5部分 消防措施

5.1. 灭火介质
不适用。

5.2. 从物质或混合物产生的特殊危害
火会导致出现浓烟。接触燃烧产物可能会有害健康。暴露在火中的密闭容器应用水进行冷却。请勿让灭火用水排入进入污水系统和附近的地表水。
如果产品暴露在高温下（如发生火灾），会产生危险的分解代谢物质。包括：
碳氧化物 (CO / CO2)。

5.3. 对消防员的建议
穿戴自给式呼吸器和防护服，防止接触。直接暴露后，联 拨打 职业卫生与中毒控制: +86-10-12320，以获取更多建议。

第6部分 泄漏应急处理

6.1. 人员防护措施、防护装备和应急处置程序
污染区域可能湿滑。

6.2. 环境保护措施
避免向湖泊、溪流、下水道等排放废水。
未经允许的人员不得进入溢溅区

6.3. 泄漏化学品的收容、清除方法及所使用的处置材料
使用不可燃的吸收材料（如沙子、泥土、蛭石或硅藻土）围堵并收集溢出物，将其置入容器中并依据当地/国家法规进行弃置处理。
尽可能使用普通清洁剂进行清洁。避免使用溶剂。

6.4. 其他部分的参照
参见第13部分的其他废物处理信息。
参见第8部分的合适的个人防护装备信息。

第7部分 操作处置与储存

7.1. 安全搬运的防范措施
不得在工作室吸烟、储存烟草、食用和储存食品或液体。
参见第8部分的合适的个人防护装备信息。

7.2. 安全存储的条件，包括任何不相容性
打开的容器必须仔细重新密封并保持直立，以防泄漏。

推荐储存材料:
只能在原容器中存放。

储存温度:
干燥、凉爽通风良好

禁配物:
强酸、强碱、强氧化剂和强还原剂。

7.3. 特定的最终用途
本产品只适用于第 1.2 节中所述的应用。

第8部分 接触控制和个体防护

8.1. 控制参数
没有 GBZ 2.1-2019 中列出的规定了职业暴露限值的物质。

8.2. 接触控制
采取常规控制措施，防止不必要的暴露。

一般建议:
不得在工作室吸烟、储存烟草、食用和储存食品或液体。

接触情况:
本品没有相应实施的接触场景.

最高容许浓度:
尚未对本产品中的物质确定职业接触限值。

工程控制::
在使用该产品的过程中采取标准的预防措施。避免吸入蒸汽。

卫生措施:
在不使用产品时及工作日结束时，应对身体所有暴露部位进行彻底清洗。特别注意手、前臂和脸部。

环境接触控制::
无特殊要求.

个人保护措施

概要::
只能使用带有 CE 标识的防护设备。

呼吸系统防护:

推荐	等级	颜色	材料	
如预期使用时，无需特别穿戴				

身体防护:

材料	推荐	标准	
如预期使用时，无需特别穿戴	-	-	

手部防护:

工作情况	材料	手套厚度（**mm**）	穿透时间（**min.**）	标准	
在长时间暴露或高浓度情况下	如预期使用时，无需特别穿戴	-	-	-	

工作情况	材料	手套厚度（**mm**）	穿透时间（**min.**）	标准	
	Nitril	0.35			

眼睛/面部防护::

工作情况	推荐	标准	
	如预期使用时，无需特别穿戴	-	
在长时间暴露或高浓度情况下	带侧罩的安全眼镜	EN166	

第9部分 理化特性

9.1. 基础理化特性信息

物理状态:
液体

▼颜色:
无色

气味:
独特气味

气味阈值（*ppm*）:
无可用数据。

*pH*值:
ca. 9.0

相对密度 (*g/cm³*):
1.04 (20 °C)

运动粘度:
无可用数据。

颗粒特性:
不適用於 液體

物相变化

熔点／凝固点 (°C):
无可用数据。

软化点/范围 (°C):
不適用於 液體

沸点/沸程 (°C):
无可用数据。

蒸气压:
无可用数据。

蒸气密度:
无可用数据。

分解温度 (°C):
无可用数据。

蒸发速率:

火灾和爆炸危险数据

闪点 (°C):
无可用数据。

着火温度 (°C):

无可用数据。

自燃温度 (°C):
无可用数据。

爆炸（燃烧）上限和下限:
无可用数据。

可溶性

水溶性:
完全溶解

n-辛醇/水分配系数 (*LogKow*):
无可用数据。

脂溶性（克/升）:
无可用数据。

9.2. 其他信息

其它物理和化学参数:
无可用数据。

氧化性:
无可用数据。

第10部分 稳定性和反应性

10.1. 活动性
无可用数据。

10.2. 稳定性
基于“7 操作处置与储存”一节的内容，本产品在常规条件下处于稳定状态。

10.3. 危险反应
未知。

10.4. 应避免的条件
未知。

10.5. 禁配物
强酸、强碱、强氧化剂和强还原剂。

10.6. 危险的分解产物
在正常的储存和使用条件下，不会产生有危害的分解物。

第11部分 毒理学信息

11.1. 毒理效应信息

急性毒性

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 401
种类:	大鼠
接触途径:	口服
测试:	LD50
结果:	>5.000 mg/kg

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 402
种类:	大鼠
接触途径:	经皮

测试:	LD50
结果:	>2.000 mg/kg

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
种类:	大鼠
接触途径:	经皮
测试:	LD50
结果:	>2000 mg/kg

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
种类:	大鼠
接触途径:	口服
测试:	LD50
结果:	>2000 mg/kg

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
种类:	大鼠
接触途径:	经皮
测试:	LD50
结果:	>2000 mg/kg

产品/成份名称	2-phenoxyethanol
种类:	大鼠
接触途径:	口服
测试:	LD50
结果:	1840 mg/kg

产品/成份名称	2-phenoxyethanol
种类:	兔子
接触途径:	经皮
结果:	>5000 mg/kg

基于可用数据，其不满足分类标准。

刺激或腐蚀

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
测试方法:	OECD 404
种类:	豚鼠
结果:	有观察到的不良作用 (有刺激性)

产品/成份名称	2-phenoxyethanol
结果:	有观察到的不良作用 (有腐蚀性)

基于可用数据，其不满足分类标准。

严重眼睛损伤/刺激

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
结果:	有观察到的不良作用 (造成严重眼损伤)

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 404
种类:	兔子
结果:	有观察到的不良作用 (轻微刺激性)

产品/成份名称	2-phenoxyethanol
结果:	有观察到的不良作用 (造成严重眼损伤)

基于可用数据，其不满足分类标准。

呼吸道致敏性
基于可用数据，其不满足分类标准。

皮肤致敏性
基于可用数据，其不满足分类标准。

生殖细胞致突变性
基于可用数据，其不满足分类标准。

致癌性
基于可用数据，其不满足分类标准。

生殖毒性
基于可用数据，其不满足分类标准。

特异性靶器官系统毒性-一次接触
基于可用数据，其不满足分类标准。

特异性靶器官系统毒性-反复接触
基于可用数据，其不满足分类标准。

吸入危害
基于可用数据，其不满足分类标准。

潜在的慢性健康影响
未知。

其他信息
未知。

第12部分 生态学信息

12.1. 毒性

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 203
种类:	鱼类, Pimephales promelas
测试:	LC50
结果:	>1-10 mg/L

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 202
种类:	甲壳纲动物, Daphnia magna
测试:	EC50
结果:	>1-10 mg/L

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 201
种类:	Andere waterorganismen, Desmodesmus subspicatus
测试:	EC50
结果:	>1-10 mg/L

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 209
种类:	Pseudomonas putida
环境:	活性污泥厂
测试:	EC0
结果:	>100 mg/L

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs.,

	inner salts
测试方法:	OECD 210
种类:	鱼类
测试:	NOEC
结果:	>0,1-1 mg/L

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
测试方法:	OECD 211
种类:	甲壳纲动物, Daphnia magna
测试:	NOEC
结果:	>0,1-1 mg/L

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
测试方法:	OECD 201
种类:	藻类
环境:	淡水
暴露:	72 小时
测试:	EC50
结果:	410 mg/L

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
测试方法:	OECD 203
种类:	鱼类
环境:	淡水
暴露:	96 小时
测试:	LC50
结果:	2,9 mg/L

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
测试方法:	OECD 201
种类:	藻类
环境:	淡水
暴露:	72 小时
测试:	NOEC
结果:	4,9 mg/L

产品/成份名称	2-phenoxyethanol
种类:	鱼类
暴露:	96 小时
测试:	LC50
结果:	>100 mg/L

产品/成份名称	2-phenoxyethanol
种类:	藻类
暴露:	72 小时
测试:	ErC50
结果:	>100 mg/L

产品/成份名称	2-phenoxyethanol
种类:	Daphnia magna
暴露:	48 小时
测试:	EC50
结果:	>100 mg/L

产品/成份名称	2-phenoxyethanol
种类:	鱼类
测试:	NOEC

结果:	23 mg/L

产品/成份名称	2-phenoxyethanol
种类:	Andere waterorganismen
暴露:	30 minutes
测试:	EC50
结果:	>1000 mg/L

基于可用数据，其不满足分类标准。

12.2. 持久性和降解性

产品/成份名称	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
结论:	易于生物降解

产品/成份名称	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
结论:	易于生物降解

产品/成份名称	2-phenoxyethanol
结果:	>70
结论:	易于生物降解
测试:	OECD 301 A

12.3. 潜在的生物累积性

产品/成份名称	2-phenoxyethanol
生物富集系数:	0.349
LogKow:	1.2
结论:	-

12.4. 土壤中的迁移性

无可用数据。

12.5. PBT和**vPvB**评估结果

本混合物/产品不含任何被认定符合分类为 PBT 及/或 vPvB 的标准的物质。

12.6. 其他环境有害作用

未知。

第13部分 废弃处置

废物处理方法

产品未包含在危险废品条例中涵盖的产品。

特定标示

包装

针对含有产品残留物的包装，必须采用与产品处理方法相似的方式进行处理。

第14部分 运输信息

	14.1 UN号	**14.2** 正确运输名称	**14.3** 类别	**14.4 PG***	**14.5 Env****	其他信息:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 包装类别

** 环境危害

其他信息
ADR、IATA 和 IMDG 规定的非危险品。

14.6. 运输注意事项
不适用。

14.7. 基于**MARPOL**的附录**II**和**IBC**准则按散装运输
无可用数据。

第15部分 法规信息

15.1. 安全、健康和环境法规/物质或混合物特定的立法

应用限制*:*
仅用于工业用途。

特殊教育需求*:*
无特殊要求.

其他信息*:*
不适用。

中国现有化学物质名录*:*
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts 被列出
2-phenoxyethanol 被列出

中国法律/法规*:*
危险化学品安全管理条例（第591号）
GB 30000.1-2024 化学品分类和标签规范 第1部分：通则
GB13690-2009化学品分类和危险性公示通则
危险化学品目录（2015版）
GB15258-2009化学品安全标签编写规定
GB/T 16483-2008化学品安全技术说明书内容和项目顺序
GB/T 17519-2013化学品安全技术说明书编写指南

15.2. **15.2.**化学安全评估
否

第16部分 其他信息

H 语句全文：见第 3 节
H302, 吞咽有害
H315, 造成皮肤刺激
H318, 造成严重眼损伤
H319, 造成严重眼刺激
H335, 可引起呼吸道刺激
H412, 对水生生物有害并具有长期持续影响

已验明用途的全文见第 1 节
未知。

缩略语和首字母缩写
ACGIH = 美国政府工业卫生专家协会，颁发有毒产品暴露标准的机构。
BCF = 生物富集系数
CAS = 化学提取物服务注册号码
CE = 符合欧洲标准
DNEL = 衍生无效应水平
ECx = 产生 x %反应的浓度
EC50 = 引起５０%最大反应的物质有效浓度
GHS = 全球协调制度

IARC = 国际癌症研究机构
IATA = 国际航空协会，颁发货物空运相关规定的组织。
IMDG = 国际海事组织规则，货物海运规则。
ICAO = 国际民航组织。
Kow = 正辛醇/ 水分配系
LC50 = 半数致死浓度
LD50 = 急性经毒性 (半数致死剂量)
NOEC = 无观察效应浓度
OECD = 经济合作与发展组织
PBT = 持久性生物累积性有毒物质
PC-STEL = 短时间接触容许浓度
PC-TWA = 时间加权平均容许浓度
PNEC = 预计无效应浓度
REACH = 欧盟关于化学品注册、评估、授权和限制法规.
SCL = 具有特定浓度限制
SDS = 安全技术说明书
STEL = 短期暴露限制
PC-TWA = 时间加权平均数
UN Number = 联合国编号，联合国危险货物运输专家委员会指定的四位数号码。
UVCB = 成分未知或可变的物质，复杂反应产物或生物材料
vPvB = 高残留性、高生物浓缩性物质

其他信息
不适用。

安全数据表由以下人员验证
Quality & Compliance

其他
更改（与最后一次基本更改（SDS 版本中的第一个密码，见第 1 节）成比例）用蓝色三角形标记。
本安全数据表中的信息仅适用于本特定产品（第 1 节所述），不一定适用于其他化学品/产品。
建议将此安全数据表移交给产品的实际用户。本安全数据表中的信息不能用作产品说明书。
国家-语言: CN-zh

BEZPEČNOSTNÍ LIST

i.2 kitchen cleaner FlexDose Ultra

ODDÍL 1: IDENTIFIKACE LÁTKY/SMĚSI A SPOLEČNOSTI/PODNIKU

1.1. Identifikátor výrobku

Obchodní název:
i.2 kitchen cleaner FlexDose Ultra

1.2. Příslušná určená použití látky nebo směsi a nedoporučená použití

Relevantní identifikované využití látky nebo směsi:
Detergenty a detergenty (včetně na bázi rozpouštědel)
Pouze pro profesionální uživatele.

Nedoporučená použití:
Není známo.

1.3. Podrobné údaje o dodavateli bezpečnostního listu

Firma a adresa:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
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1.4. Telefonní číslo pro naléhavé situace

Toxikologické informační středisko. Telefon: +420 224 919 293, +420 224 915 402 (www.tis-cz.cz)
Viz oddíl 4 "Pokyny pro první pomoc"

ODDÍL 2: IDENTIFIKACE NEBEZPEČNOSTI

2.1. Klasifikace látky nebo směsi

Není klasifikován podle nařízení (ES) č. 1272/2008 (CLP).

2.2. Prvky označení

Piktogram(y) rizik(a):
Netýká se.

Signální slova:
Netýká se.

Prohlášení rizik(a):

Netýká se.

Bezpečnostní věta (věty):

Obecně:
-

Prevence:
-

Reakce:
-

Skladování:
-

Likvidace:
-

Identifikace látek primárně odpovědných za hlavní zdravotní rizika:
Neobsahuje žádné látky podléhající povinnému hlášení

▼*Další označení:*
EUH210, Na vyžádání je k dispozici bezpečnostní list.
Netýká se.

Označení obsahu podle předpisu o detergentech 648/2004 (platí pro obaly detergentů prodávaných široké veřejnosti):

>15% - <30%
· Neiontové povrchově aktivní látky
< 5%
· Amfoterní povrchově aktivní látky
· Aniontové povrchově aktivní látky
· Konzervační (PHENOXYETHANOL)

2.3. Další nebezpečnost

Další varování:
Tato směs/výrobek neobsahuje žádné látky považované za splňující kritéria klasifikace jakožto PBT či vPvB.
Tento produkt neobsahuje žádné látky, které jsou podle kritérií, stanovených nařízením Komise v přenesené pravomoci (EU) 2017/2100 nebo nařízení Komise (EU) 2023/707, považovány za endokrinní disruptory.

ODDÍL 3: SLOŽENÍ/INFORMACE O SLOŽKÁCH

3.1. Látky
Netýká se. Tento produkt je směs.

3.2. Směsi

Název složky	Identifikátory	% w/w	Klasifikace	Název složky
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	Č. CAS: 147170-44-3 Č. ES: 604-575-4 REACH: Indexová č.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Č. CAS: 85536-23-8 Č. ES: REACH: 01-2119565130-50-0000 Indexová č.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxyethan-1-ol	Č. CAS: 122-99-6 Č. ES: 204-589-7 REACH: 01-2119488943-21	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318	

	Indexová č.: 603-098-00-9		STOT SE 3, H335	

Viz plný text H-vět v oddíl 16. Limity profesní expozice uvádí oddíl 8. Pokud jsou dostupné.

Další informace
[19] UVCB = Jsou látky s neznámým nebo proměnlivým složením, komplexní reakční produkty nebo biologické materiály.

ODDÍL 4: POKYNY PRO PRVNÍ POMOC

4.1. Popis první pomoci

Obecné informace:
V případě nehody: kontaktujte lékaře nebo úrazové oddělení - předejte SDS nebo štítek z obalu produktu.
Pokud si nejste jisti stavem postiženého nebo pokud symptomy přetrvávají, kontaktujte lékaře. Nepodávejte vodu apod. osobě v bezvědomí.

▼*Vdechnutí:*
Při nevolnostech: Odveďte postiženého na čerstvý vzduch.

Zasažení pokožky:
Při podráždění: Smyjte výrobek. Při pokračujícím podráždění: Vyhledejte lékaře.

▼*Zasažení očí:*
Jemně vyplachujte vlažnou vodou. Pokud to lze snadno provést, vyjměte kontaktní čočky. Pokračujte ve vyplachování. V případě přetrvávajícího podráždění očí nebo nepříjemných pocitů: vyhledejte lékařskou pomoc.

▼*Požití:*
Důkladně vypláchněte ústa a vypijte dostatečné množství vody. Při přetrvávající nevolnosti: vyhledejte lékaře a ukažte mu tento bezpečnostní list.

Popálení:
Netýká se.

4.2. Nejdůležitější akutní a opožděné symptomy a účinky
Není známo.

4.3. Pokyn týkající se okamžité lékařské pomoci a zvláštního ošetření
Léčete symptomaticky

Informace pro lékařský personál
Předejte tento SDS nebo štítek z obalu produktu.

ODDÍL 5: OPATŘENÍ PRO HAŠENÍ POŽÁRU

5.1. Hasiva
Netýká se.

5.2. Zvláštní nebezpečnost vyplývající z látky nebo směsi
V případě požáru vzniká hustý dým. Vdechnutí produktů rozkladu nebo kontakt s nimi může poškodit zdraví. Uzavřené obaly vystavené požáru chlaďte vodou. Zabraňte vniknutí vody z hašení do kanalizace, vodních toků/ploch.
Pokud je produkt vystaven vysoké teplotě, například při požáru, vznikají nebezpečné produkty rozkladu:
Oxidy uhlíku (CO / CO2)

5.3. Pokyny pro hasiče
Žádné zvláštní požadavky.

ODDÍL 6: OPATŘENÍ V PŘÍPADĚ NÁHODNÉHO ÚNIKU

6.1. Opatření na ochranu osob, ochranné prostředky a nouzové postupy

Zajistěte dostatečné větrání, zejména v klimatizovaných prostorách.
Kontaminovaná místa mohou klouzat.

6.2. Opatření na ochranu životního prostředí
Zabraňte únikům do vodních ploch/toků, kanalizace atd.
Dbejte na to, aby k rozlité kapalině neměly přístup nepovolané osoby.

6.3. Metody a materiál pro omezení úniku a pro čištění
Uniklý materiál zachyťte a posbírejte pomocí nehořlavého absorpčního materiálu, například písku, zeminy, vermikulitu nebo křemeliny, a umístěte jej do nádoby k likvidaci, v souladu s místními předpisy.
K čištění využívejte v maximální míře běžné čistící prostředky. Vyhněte se použití rozpouštědel.

6.4. Odkaz na jiné oddíly
Viz oddíl 13 "Pokyny pro odstraňování" o nakládání s odpadem.
Ochranná opatření viz oddíl 8 "Omezování expozice/osobní ochranné prostředky".

ODDÍL 7: ZACHÁZENÍ A SKLADOVÁNÍ

7.1. Opatření pro bezpečné zacházení
Na pracovišti je zakázáno kouření, jídlo a pití včetně skladování tabáku, potravin a nápojů.
Informace o ochraně osob viz "Omezování expozice/osobní ochranné prostředky".

7.2. ▼Podmínky pro bezpečné skladování látek a směsí včetně neslučitelných látek a směsí

Slučitelnosti obalů:
Uchovávejte pouze v původním balení.

Podmínky skladování:
Suché, chladné, dobře větrané

Neslučitelné materiály:
Silné kyseliny, silné zásady, silná oxidační činidla a silná rozkladná činidla.

7.3. Specifické konečné/specifická konečná použití
Tento produkt smí být použit pouze k účelům uvedeným v oddíl 1.2.

ODDÍL 8: OMEZOVÁNÍ EXPOZICE/OSOBNÍ OCHRANNÉ PROSTŘEDKY

8.1. Kontrolní parametry
2,2',2''-nitrilotriethanol
Nejvyšší přípustná koncentrace (15 minut) (NPK-P) (mg/m³): 10
Přípustný expoziční limit (8 hodin) (PEL) (mg/m³): 5
Poznámky:
D = Při expozici se významně uplatňuje pronikání látky kůží nebo silný dráždivý účinek na kůži.

Nařízení vlády, ze dne 3. října 2018, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů.

DNEL
2-fenoxyethan-1-ol

Délka:	**Trasa podání:**	**DNEL:**
Dlouhodobé - systémové účinky	Kožní	10,42 mg/kg
Dlouhodobé - systémové účinky - obecná populace	Kožní	20,83 mg/kg
Dlouhodobé - systémové účinky - Pracovník	Kožní	34.72 mg/kg bw/day
Dlouhodobý	Orální	9,23 mg/kg
Dlouhodobé - lokální účinky - Pracovník	Vdechnutí	5,7 mg/m³
Dlouhodobé - systémové účinky	Vdechnutí	2,41 mg/m³
Dlouhodobé - systémové účinky - Pracovník	Vdechnutí	5,7 mg/m³

Dlouhodobé - systémové účinky - Pracovník	Vdechnutí	8.07 mg/m³

2,2',2''-nitrilotriethanol

Délka:	**Trasa podání:**	**DNEL:**
Dlouhodobé - systémové účinky - obecná populace	Kožní	3.1 mg/kg bw/day
Dlouhodobé - systémové účinky - Pracovník	Kožní	6.3 mg/kg bw/day
Dlouhodobé - systémové účinky - obecná populace	Orální	3.1 mg/kg bw/day
Dlouhodobé - lokální účinky - Pracovník	Vdechnutí	1,25 mg/m³
Dlouhodobé - lokální účinky - Pracovník	Vdechnutí	5 mg/m³
Dlouhodobé - systémové účinky - obecná populace	Vdechnutí	1.25 mg/m³
Dlouhodobé - systémové účinky - Pracovník	Vdechnutí	5 mg/m³

PNEC

2-fenoxyethan-1-ol

Trasa podání:	**Doba expozice:**	**PNEC:**
Čistírny odpadních vod		24,8 mg/L
Čistírny odpadních vod	Singl	36 mg/L
Mořské sedimenty		0,7237 mg/kg
Mořské vody		0.0943 mg/L
Půda		1,26 mg/kg
Sladké vody		0,943 mg/L
Sladkovodní sedimenty		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Trasa podání:	**Doba expozice:**	**PNEC:**
Čistírny odpadních vod		10 mg/L
Mořské sedimenty		170 µg/kg
Mořské vody		32 µg/L
Občasné vydání (sladkovodní)		5.12 mg/L
Půda		151 µg/kg
Sladké vody		320 µg/L
Sladkovodní sedimenty		1.7 mg/kg

8.2. ▼Omezování expozice

Je nutno pravidelně kontrolovat dodržování předepsaných limitů expozice.

Obecná doporučení:

Na pracovišti je zakázáno kouření, jídlo a pití včetně skladování tabáku, potravin a nápojů.

Scénáře expozice:

Pro tento produkt nejsou zavedeny žádné scénáře expozice

Limity expozice:

Profesionálních uživatelů se týkají limity BOZP stanovující maximální koncentrace na pracovišti. Viz výše uvedené prahové hodnoty BOZP.

Vhodná technická opatření:

Je třeba udržovat vytváření páry na minimu a pod současnými limitními hodnotami (viz výše). Pokud na pracovišti není dostatečné proudění vzduchu, doporučuje se nainstalovat místní systém odsávání. Zajistěte, aby byly jasně označeny stanice pro výplach očí a nouzové sprchy.
Při používání produktu aplikujte standardní preventivní opatření. Dbejte na to, aby nedošlo k inhalaci výparů.

▼*Hygienická opatření:*

Umyjte si po použití ruce.

Opatření k zabránění ohrožení prostředí:
Žádné zvláštní požadavky.

Osobní ochranná opatření, například osobní ochranné pomůcky

Obecně:
Používejte pouze ochranné pomůcky s označením CE.

Ochrana dýchacích cest:

Typ	Třída	Barva	Normy	
Žádné zvláštní při běžném použití.				

Ochrana pokožky:

Doporučený	Typ/Kategorie	Normy	
Žádné zvláštní při běžném použití	-	-	

Ochrana rukou:

Pracovní situace	Materiál	Minimální tloušťka vrstvy (mm)	Doba průniku (min.)	Normy	
V případě dlouhodobé expozice nebo vysokých koncentrací	Žádné zvláštní při běžném použití	-	-	-	
	Nitril	0.35			

Ochrana očí:

Pracovní situace	Typ	Normy	
	Žádné zvláštní při běžném použití.	-	
V případě dlouhodobé expozice nebo vysokých koncentrací	Noste bezpečnostní brýle s bočními kryty.	EN166	

ODDÍL 9: FYZIKÁLNÍ A CHEMICKÉ VLASTNOSTI

9.1. Informace o základních fyzikálních a chemických vlastnostech

Skupenství:
Kapalina

▼*Barva:*
Bezbarvý

Zápach / Prahová hodnota zápachu (ppm):
Charakteristický

pH:
ca. 9.0

Hustota (g/cm^3):
1,04 (20 °C)

Kinematická viskozita:
Data nejsou k dispozici.

Charakteristiky částic:
Nevztahuje se na kapaliny.

Změny skupenství

Bod tání/bod tuhnutí (°C):
Data nejsou k dispozici.

Bod/rozsah bodu měknutí (°C):
Nevztahuje se na kapaliny.

Bod varu (°C):
Data nejsou k dispozici.

Tlak par:
Data nejsou k dispozici.

Relativní hustota páry:
Data nejsou k dispozici.

Teplota rozkladu (°C):
Data nejsou k dispozici.

Informace o riziku požáru a výbuchu

Bod vznícení (°C):
Data nejsou k dispozici.

Hořlavost (°C):
Data nejsou k dispozici.

Teplota samovznícení (°C):
Data nejsou k dispozici.

Limity expozice (% v/v):
Data nejsou k dispozici.

Rozpustnost

Rozpustnost ve vodě:
Zcela rozpustné

Koeficient n-oktanol/voda (LogKow):
Data nejsou k dispozici.

Rozpustnost v tuku (g/L):
Data nejsou k dispozici.

9.2. Další informace

Další fyzikální a chemické parametry:
Data nejsou k dispozici.

Oxidační vlastnosti:
Data nejsou k dispozici.

ODDÍL 10: STÁLOST A REAKTIVITA

10.1. Reaktivita
Data nejsou k dispozici.

10.2. Chemická stabilita
Produkt je stabilní za podmínek uvedených v oddíl 7 "Zacházení a skladování".

10.3. Možnost nebezpečných reakcí
Není známo.

10.4. Podmínky, kterým je třeba zabránit
Není známo.

10.5. Neslučitelné materiály
Silné kyseliny, silné zásady, silná oxidační činidla a silná rozkladná činidla.

10.6. Nebezpečné produkty rozkladu
Za běžných podmínek skladování a používání by neměly vznikat nebezpečné produkty rozkladu.

ODDÍL 11: TOXIKOLOGICKÉ INFORMACE

11.1. Informace o třídách nebezpečnosti vymezených v nařízení (ES) č. 1272/2008

Akutní toxicita

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 401
Druh:	Krysa
Trasa podání:	Orální
Test:	LD50
Výsledek:	>5.000 mg/kg

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 402
Druh:	Krysa
Trasa podání:	Kožní
Test:	LD50
Výsledek:	>2.000 mg/kg

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Druh:	Krysa
Trasa podání:	Kožní
Test:	LD50
Výsledek:	>2000 mg/kg

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Druh:	Krysa
Trasa podání:	Orální
Test:	LD50
Výsledek:	>2000 mg/kg

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Druh:	Krysa
Trasa podání:	Kožní
Test:	LD50
Výsledek:	>2000 mg/kg

Název složky	2-fenoxyethan-1-ol
Druh:	Krysa
Trasa podání:	Orální
Test:	LD50
Výsledek:	1840 mg/kg

Název složky	2-fenoxyethan-1-ol
Druh:	Králík
Trasa podání:	Kožní
Výsledek:	>5000 mg/kg

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Žíravost/ dráždivost pro kůži

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zkušební metoda:	OECD 404
Druh:	Guinejské prase
Výsledek:	Pozorovány nepříznivé účinky (Dráždivé)

Název složky	2-fenoxyethan-1-ol
Výsledek:	Pozorovány nepříznivé účinky (Žíravé)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Vážné poškození očí / podráždění očí

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Výsledek:	Pozorovány nepříznivé účinky (Způsobuje vážné poškození očí)

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 404
Druh:	Králík
Výsledek:	Pozorovány nepříznivé účinky (Mírně dráždivé)

Název složky	2-fenoxyethan-1-ol
Výsledek:	Pozorovány nepříznivé účinky (Způsobuje vážné poškození očí)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Senzibilizace dýchacích cest
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Senzibilizace kůže
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Mutagenita v zárodečných buňkách
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Karcinogenita
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro reprodukci
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro specifické cílové orgány – jednorázová expozice
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro specifické cílové orgány – opakovaná expozice
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Nebezpečnost při vdechnutí
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

11.2. Informace o další nebezpečnosti

Dlouhodobé účinky
Není známo.

Vlastnosti vyvolávající narušení činnosti endokrinního systému
Tato směs/tento výrobek neobsahuje žádné látky, které jsou považovány za látky narušující hormonální funkce s ohledem na zdraví.

Další informace
2,2',2''-nitrilotriethanol: Látka byla podle IARC klasifikována jako skupina 3.

ODDÍL 12: EKOLOGICKÉ INFORMACE

12.1. Toxicita

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 203
Druh:	Ryba, Pimephales promelas
Test:	LC50
Výsledek:	>1-10 mg/L

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 202
Druh:	Korýš, Daphnia magna
Test:	EC50
Výsledek:	>1-10 mg/L

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 201
Druh:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Výsledek:	>1-10 mg/L

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 209
Druh:	Pseudomonas putida
Složka životního prostředí:	Čístírna aktivního bahna
Test:	EC0
Výsledek:	>100 mg/L

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 210
Druh:	Ryba
Test:	NOEC
Výsledek:	>0,1-1 mg/L

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zkušební metoda:	OECD 211
Druh:	Korýš, Daphnia magna
Test:	NOEC
Výsledek:	>0,1-1 mg/L

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zkušební metoda:	OECD 201
Druh:	Řasy
Složka životního prostředí:	Sladké vody
Délka:	72 hodin
Test:	EC50
Výsledek:	410 mg/L

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zkušební metoda:	OECD 203
Druh:	Ryba
Složka životního prostředí:	Sladké vody
Délka:	96 hodin
Test:	LC50
Výsledek:	2,9 mg/L

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zkušební metoda:	OECD 201
Druh:	Řasy
Složka životního prostředí:	Sladké vody
Délka:	72 hodin
Test:	NOEC
Výsledek:	4,9 mg/L

Název složky	2-fenoxyethan-1-ol
Druh:	Ryba
Délka:	96 hodin
Test:	LC50
Výsledek:	>100 mg/L

Název složky	2-fenoxyethan-1-ol
Druh:	Řasy

Délka:	72 hodin
Test:	ErC50
Výsledek:	>100 mg/L

Název složky	2-fenoxyethan-1-ol
Druh:	Daphnia magna
Délka:	48 hodin
Test:	EC50
Výsledek:	>100 mg/L

Název složky	2-fenoxyethan-1-ol
Druh:	Ryba
Test:	NOEC
Výsledek:	23 mg/L

Název složky	2-fenoxyethan-1-ol
Druh:	Andere waterorganismen
Délka:	30 minutes
Test:	EC50
Výsledek:	>1000 mg/L

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

12.2. Perzistence a rozložitelnost

Název složky	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Závěr:	Snadná biologická rozložitelnost

Název složky	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Závěr:	Snadná biologická rozložitelnost

Název složky	2-fenoxyethan-1-ol
Výsledek:	>70
Závěr:	Snadná biologická rozložitelnost
Test:	OECD 301 A

Povrchově aktivní látka(y) obsažena(y) v tomto přípravku je (jsou) v souladu s kriterii biodegradability podle Sm ě rnici (EÚ) No. 648/2004 o detergentech. Údaje potvrzující toto prohlášení jsou k dispozici kompetentním institucím členských států Unie na jejich přímou žádost, nebo na žádost výrobce detergentu.

12.3. Bioakumulační potenciál

Název složky	2-fenoxyethan-1-ol
BCF:	0.349
LogKow:	1.2
Závěr:	-

12.4. Mobilita v půdě

Data nejsou k dispozici.

12.5. Výsledky posouzení PBT a vPvB

Tato směs/výrobek neobsahuje žádné látky považované za splňující kritéria klasifikace jakožto PBT či vPvB.

12.6. Vlastnosti vyvolávající narušení činnosti endokrinního systému

Tato směs/tento výrobek neobsahuje žádné látky, které jsou považovány za látky narušující endokrinní systém ve vztahu k životnímu prostředí.

12.7. Jiné nepříznivé účinky

Není známo.

ODDÍL 13: POKYNY PRO ODSTRAŇOVÁNÍ

13.1. Metody nakládání s odpady

Tento produkt nepodléhá předpisům o nebezpečném odpadu.
Nařízení Komise (EU) č. 1357/2014 ze dne 18. prosince 2014 o odpadech.

Kód EWC:
20 01 30 Detergenty neuvedené pod položkou 20 01 29

Kontaminovaný obal
Obaly se zbytky produktu je nutno likvidovat stejným zpùsobem jako produkt.

ODDÍL 14: INFORMACE PRO PŘEPRAVU

	14.1 UN	14.2 Oficiální (OSN) pojmenování pro přepravu	14.3 Třída/třídy nebezpečnosti pro přepravu	14.4 PG*	14.5 Env **	Další informace:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnost pro životní prostředí

Další informace
Není klasifikován jako nebezpečné zboží dle předpisů ADR, IATA a IMDG.

14.6. Zvláštní bezpečnostní opatření pro uživatele
Netýká se.

14.7. Námořní hromadná přeprava podle nástrojů IMO
Data nejsou k dispozici.

ODDÍL 15: INFORMACE O PŘEDPISECH

15.1. Předpisy týkající se bezpečnosti, zdraví a životního prostředí/specifické právní předpisy týkající se látky nebo směsi

Omezení aplikace:
Pouze pro profesionální uživatele.

Požadavek specifického vzdělání:
Žádné zvláštní požadavky.

SEVESO - Kategorie nebezpečnosti / Nebezpečné látky jmenovitě uvedené:
Netýká se.

Označení obsahu podle předpisu o detergentech 648/2004:

>15% - <30%
· Neiontové povrchově aktivní látky
< 5%
· Amfoterní povrchově aktivní látky
· Aniontové povrchově aktivní látky
· Konzervační (PHENOXYETHANOL)

Další informace:
Povrchově aktivní látka(y) obsažena(y) v tomto přípravku je (jsou) v souladu s kriterii biodegradability podle Sm ě rnici (EÚ) No. 648/2004 o detergentech. Údaje potvrzující toto prohlášení jsou k dispozici kompetentním institucím členských států Unie na jejich přímou žádost, nebo na žádost výrobce detergentu.

Zdroje:
Nařízení Evropského parlamentu a Rady (ES) č. 648/2004 ze dne 31. března 2004 o detergentech.
Nařízení Komise (EU) č. 1357/2014 ze dne 18. prosince 2014 o odpadech.
Nařízení Evropského parlamentu a Rady (ES) č. 1272/2008 ze dne 16. prosince 2008 o klasifikaci, označování a

balení látek a směsí (CLP).
Nařízení Evropského parlamentu a Rady (ES) č. 1907/2006 ze dne 18. prosince 2006 o registraci, hodnocení, povolování a omezování chemických látek (REACH).

15.2. Posouzení chemické bezpečnosti

Ne

ODDÍL 16: DALŠÍ INFORMACE

Plný text H-vět dle oddílu 3

H302, Zdraví škodlivý při požití.
H315, Dráždí kůži.
H318, Způsobuje vážné poškození očí.
H319, Způsobuje vážné podráždění očí.
H335, Může způsobit podráždění dýchacích cest.
H412, Škodlivý pro vodní organismy, s dlouhodobými účinky.

Zkratky

ADN = Mezinárodní předpisy pro přepravu nebezpečných věcí na vnitrozemských vodních cestách
ADR = Evropská dohoda týkající se silniční přepravy nebezpečných věcí
ATE = odhad akutní toxicity
BCF = biokoncentrační faktor
CAS = CAS registr
CE = Evropská shoda
CLP = Nařízení o klasifikaci, označování a balení látek a směsí [nařízení (ES) 1272/2008]
CSA = posouzení chemické bezpečnosti
CSR = zpráva o chemické bezpečnosti
DMEL = odvozená minimální úroveň, při které dochází k nepříznivým účinkům
DNEL = odvozená úroveň, při které nedochází k nepříznivým účinkům
EINECS = Evropský seznam existujících obchodovaných chemických látek
ES = scénář expozice
EuPCS = Evropský systém kategorizace výrobků
EWC = Evropský katalog odpadů
GHS = Globálně harmonizovaný systém klasifikace a označování chemických látek a směsí
GWP = Potenciálem globálního oteplování
H nařízení Evropské unie = CLP - specifické nařízení nebezpečnosti
IATA = Asociace pro mezinárodní leteckou dopravu
IBC = IBC kontejner
IMDG = námořní přeprava nebezpečných věcí dle IMDG
LogPow = logaritmus rozdělovacího koeficientu oktanol/voda
MARPOL = Mezinárodní úmluva o zabránění znečištění z lodí z roku 1973 ve znění protokolu z roku 1978. ("MARPOL" = znečištění moří)
OECD = Organizace pro ekonomickou spolupráci a rozvoj
PBT = perzistentní, bioakumulativní a toxická/é
PNEC = odhad koncentrace, při níž nedochází k nepříznivým účinkům
RID = Nařízení o mezinárodní přepravě nebezpečného zboží po železnici
RRN = Registrační číslo REACH
SCL = určitý limit koncentrace.
STOT-RE = specifický cílový orgán toxicity - opakovaná expozice
STOT-SE = specifický cílový orgán toxicity - jednorázová expozice
SVHC = látky vyvolávající velmi velké obavy
TWA = Vážený průměr v čase
UN = Organizace spojených národů (OSN)
UVCB = Jsou látky s neznámým nebo proměnlivým složením, komplexní reakční produkty nebo biologické materiály.
VOC = těkavé organické látky
vPvB = vysoce perzistentní a vysoce bioakumulativní

Další informace

Netýká se.

BL ověřil

Quality & Compliance

Ostatní

Změna oproti poslední velké revizi (první číslice verze SDS) je označena trojúhelníkem.
Informace v tomto SDS se týkají pouze tohoto konkrétního produktu (zmíněnému v oddíl 1) a nemusí být přesné, pokud jde o jiné chemikálie/produkty.
Doporučujeme předat tento SDS skutečnému uživateli produktu. Informace v tomto SDS neslouží jako specifikace produktu.
Země-jazyk: CZ-cs

SICHERHEITSDATENBLATT

i.2 kitchen cleaner FlexDose Ultra

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

Handelsname:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:
Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:
Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:
info@hygeniq.com

Überarbeitet am:
05.08.2025

SDB Version:
2.0

Datum der letzten Ausgabe:
16.07.2025 (2.0)

1.4. Notrufnummer

Notfall: Rufen Sie 112 an, fordern Sie die Informationen zur Giftnotrufzentrale an. 24 Stunden am Tag geöffnet.
Giftnotrufzentrale Berlin, Notfallrufnummer: +49 30 19240 (Tag und Nacht)
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:
Nicht zutreffend.

Signalwort:
Nicht zutreffend.

Gefahrenhinweise:
Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:
-

Prävention:
-

Reaktion:
-

Lagerung:
-

Entsorgung:
-

Enthält:
Enthält keine meldepflichtigen Substanzen

▼*Andere Kennzeichnungen:*
EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.
Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

2.3. Sonstige Gefahren

Anderes:
Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.
Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe
Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-Nr.: 147170-44-3 EG-Nr.: 604-575-4 REACH: Indexnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-Nr.: 85536-23-8 EG-Nr.: REACH: 01-2119565130-50-0000 Indexnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-Phenoxyethanol	CAS-Nr.: 122-99-6 EG-Nr.: 204-589-7 REACH: 01-2119488943-21 Indexnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[19] UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen. Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen. Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

▼*Nach Einatmen:*

Bei Unwohlsein: Person an die frische Luft bringen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

▼*Nach Augenkontakt:*

Sanft mit lauwarmem Wasser ausspülen. Entfernen Sie eventuelle Kontaktlinsen, wenn dies ohne Aufwand möglich ist. Weiter ausspülen. Bei anhaltender Augenreizung oder Unbehagen: Ärztliche Hilfe in Anspruch nehmen.

▼*Nach Verschlucken:*

Den Mund gründlich spülen und reichlich Wasser trinken. Bei andauerndem Unwohlsein: Arzt aufsuchen und dieses Datensicherheitsblatt vorlegen.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.
Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:
Kohlenmonoxide (CO / CO2)

5.3. Hinweise für die Brandbekämpfung
Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren
Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.
Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen
Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.
Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung
Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.
Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte
Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.
Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung
Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.
Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. ▼Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten
Zusammenlagerung ist erlaubt für Produkte der Lagerklassen: 2A, 2B, 3, 4.1B, 4.2, 5.1A, 5.1B, 5.2, 6.1A, 6.1B, 6.1C, 6.1D, 8A, 8B, 10, 11, 12, 13.
Zusammenlagerung ist mit Einschränkungen erlaubt für Produkte der Lagerklassen: 4.1A, 4.3, 5.1C.
Separatlagerung ist erforderlich für Produkte aller übrigen Lagerklassen.

Geeigneten Verpackung:
Nur in Originalverpackung aufbewahren.

Lagerklasse:
Lagerklasse 12 (Nichtbrennbare Flüssigkeiten).
TRGS 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern.

Lagerbedingungen:
Trocken, kühl und gut belüftet.

Unverträgliche Materialien:
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen
Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter
2-Phenoxyethanol
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 1
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 5,7
Kurzzeitwert (15 Minuten) (ppm): 1
Kurzzeitwert (15 Minuten) (mg/m³): 5,7
Kategorie für Kurzzeitwerte: I

Bemerkungen:
DFG = Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission).
Y = Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden.
(11) = Summe aus Dampf und Aerosolen.

2,2',2''-nitrilotriethanol
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 1 (Einatembare Fraktion)
Kurzzeitwert (15 Minuten) (mg/m³): 1 (Einatembare Fraktion)
Kategorie für Kurzzeitwerte: I
Bemerkungen:
DFG = Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission).
Y = Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden.

Technische Regeln für Gefahrstoffe, Arbeitsplatzgrenzwerte, TRGS 900 (Jan. 2006)

DNEL

2-Phenoxyethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen	Dermal	10,42 mg/kg
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	20,83 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	34.72 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen	Inhalation	2,41 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5,7 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	8.07 mg/m³
Langfristig	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Prüfdauer:	**Expositionswege:**	**DNEL:**
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	3.1 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	6.3 mg/kg/Tag
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1,25 mg/m³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.25 mg/m³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	5 mg/m³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	3.1 mg/kg/Tag

PNEC

2-Phenoxyethanol

Expositionswege:	**Dauer der Aussetzung:**	**PNEC:**
Erde		1,26 mg/kg
Kläranlagen		24,8 mg/L
Kläranlagen	Einzeln	36 mg/L
Seewasser		0.0943 mg/L
Seewassersedimente		0,7237 mg/kg
Süßwasser		0,943 mg/L
Süßwassersedimente		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		151 µg/kg
Kläranlagen		10 mg/L
Pulsierende Freisetzung (Süßwasser)		5.12 mg/L
Seewasser		32 µg/L
Seewassersedimente		170 µg/kg
Süßwasser		320 µg/L
Süßwassersedimente		1.7 mg/kg

8.2. ▼Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:

Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:

Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:

Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind.
Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

▼*Hygienemaßnahmen:*

Nach Gebrauch Hände waschen.

Begrenzung der Umweltexposition:

Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:

Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
Im Falle längere Exposition oder bei hoher Konzentration	Keine Besonderheiten bei normal vorgesehenem	-	-	-	

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
	Gebrauch				
	Nitril	0.35			

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:
Flüssig

▼*Farbe:*
Farblos

Geruch / Geruchsschwelle (ppm):
Charakteristisch

pH:
ca. 9.0

Dichte (g/cm³):
1,04 (20 °C)

Kinematische Viskosität:
Es liegen keine Daten vor.

Partikeleigenschaften:
Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):
Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):
Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):
Es liegen keine Daten vor.

Dampfdruck:
Es liegen keine Daten vor.

Relative Dampfdichte:
Es liegen keine Daten vor.

Zersetzungstemperatur (°C):
Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):
Es liegen keine Daten vor.

Entzündbarkeit (°C):
Es liegen keine Daten vor.

Zündtemperatur (°C):
Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):
Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:
Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):
Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):
Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:
Es liegen keine Daten vor.

Brandfördernde Eigenschaften:
Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität
Es liegen keine Daten vor.

10.2. Chemische Stabilität
Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen
Keine bekannt.

10.4. Zu vermeidende Bedingungen
Keine bekannt.

10.5. Unverträgliche Materialien
Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte
Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 401
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>5.000 mg/kg

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 402
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2.000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spezies:	Ratte
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2000 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	1840 mg/kg

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Kaninchen
Expositionswegen:	Dermal
Ergebnis:	>5000 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 404
Spezies:	Meerschweinchen
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Ätzend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 404
Spezies:	Kaninchen
Ergebnis:	Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise
Keine bekannt.

Endokrinschädlichen Eigenschaften
Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben
2,2',2''-nitrilotriethanol: Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 203
Spezies:	Fisch, Pimephales promelas
Test:	LC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 202
Spezies:	Krustentier, Daphnia magna
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 201
Spezies:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Ergebnis:	>1-10 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 209
Spezies:	Pseudomonas putida
Umwelt-kompartiment :	Aktivierte Kläranlage
Test:	EC0
Ergebnis:	>100 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 210

Spezies:	Fisch
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prüfmethode:	OECD 211
Spezies:	Krustentier, Daphnia magna
Test:	NOEC
Ergebnis:	>0,1-1 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	EC50
Ergebnis:	410 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 203
Spezies:	Fisch
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	2,9 mg/L

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prüfmethode:	OECD 201
Spezies:	Algen
Umwelt-kompartiment :	Süßwasser
Prüfdauer:	72 Stunden
Test:	NOEC
Ergebnis:	4,9 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Algen
Prüfdauer:	72 Stunden
Test:	ErC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Daphnia magna
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	>100 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Fisch
Test:	NOEC
Ergebnis:	23 mg/L

Produkt / Substanz	2-Phenoxyethanol
Spezies:	Andere waterorganismen
Prüfdauer:	30 minutes

Test:	EC50
Ergebnis:	>1000 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	2-Phenoxyethanol
Ergebnis:	>70
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 A

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz	2-Phenoxyethanol
BCF:	0.349
LogKow:	1.2
Ergebnis:	-

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt fällt nicht unter die Regeln für gefährliche Abfälle.
VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30	Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN-Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:

Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:

Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:

Nicht zutreffend.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

>15% - <30%
· Nichtionische tenside
< 5%
· Amphotere tenside
· Anionische Tenside
· Konservierungsmittel (PHENOXYETHANOL)

WGK-Einstufung:

Wassergefährdungsklasse: WGK 3

Anderes:

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:

VERORDNUNG (EG) Nr. 648/2004 des Europäischen Parlaments und des Rates vom 31. März 2004 über Detergenzien.
VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV).
VERORDNUNG (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (CLP).
Verordnung (EG) Nr. 1907/2006 des Europäischen Parlaments und des Rates vom 18. Dezember 2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH).

15.2. Stoffsicherheitsbeurteilung

Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)

H302, Gesundheitsschädlich bei Verschlucken.
H315, Verursacht Hautreizungen.
H318, Verursacht schwere Augenschäden.
H319, Verursacht schwere Augenreizung.
H335, Kann die Atemwege reizen.
H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme

ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen
ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse
ak = andere kontrollpflichtige Abfälle
akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht
ATE = Schätzwert akute Toxizität
BCF = Biokonzentrationsfaktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (Europäische Konformität)
CLP =Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]
CSA = Stoffsicherheitsbeurteilung
CSR = Stoffsicherheitsbericht
DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert
DNEL = Abgeleiteter Nicht-Effekt-Grenzwert
EAK = Europäischer Abfallkatalog
EINECS = Altstoffverzeichnis
ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis
EuPCS = Europäisches Produktkategorisierungssystem
GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
GWP = Potenzial zur Erwärmung der Erdatmosphäre
IATA = Internationale Flug-Transport-Vereinigung
IBC = Intermediate Bulk Container
IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr
LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten
MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)
nwg = Nicht wassergefährdend
OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung
PBT = Persistent, bioakkumulierbar und toxisch
PNEC = Abgeschätzte Nicht-Effekt-Konzentration
RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter
RRN = REACH Registriernummer
S = Sonderabfälle
SCL = Spezifischen Konzentrationsgrenzwert.
SVHC = Besonders besorgniserregende Substanzen
STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition
STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition
UN = Vereinigte Nationen
UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.
VOC = Flüchtige organische Verbindungen
vPvB = Sehr persistent und sehr bioakkumulierbar
WGK = Wassergefährdungsklasse

Anderes

Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch

Quality & Compliance

Anderes

Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit eine Dreieck markiert.
Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.
Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.
Land-sprache: DE-de

SIKKERHEDSDATABLAD

i.2 kitchen cleaner FlexDose Ultra

PUNKT 1: IDENTIFIKATION AF STOFFET/BLANDINGEN OG AF SELSKABET/VIRKSOMHEDEN

1.1. Produktidentifikator

Handelsnavn:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevante identificerede anvendelser for stoffet eller blandingen samt anvendelser, der frarådes

Relevante identificerede anvendelser for stoffet eller blandingen:
Vask- og rengøringsprodukt (indeholdende opløsningsmiddelbaserede produkter)
Udelukkende til erhvervsmæssig brug.

Anvendelser der frarådes :
Ingen kendte.

1.3. Nærmere oplysninger om leverandøren af sikkerhedsdatabladet

Firmanavn og adresse:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revision:
05.08.2025

SDS Version:
2.0

Dato for forrige udgave:
16.07.2025 (2.0)

1.4. Nødtelefon

Kontakt Giftlinjen på telefon +45 82 12 12 12 (åbent 24 timer i døgnet).
Se punkt 4 om førstehjælpsforanstaltninger.

PUNKT 2: FAREIDENTIFIKATION

2.1. Klassificering af stoffet eller blandingen

Ikke klassificeret i henhold til Europa-Parlamentets og Rådets forordning (EF) nr. 1272/2008 (CLP).

2.2. Mærkningselementer

Farepiktogram:
Ikke relevant.

Signalord:

Ikke relevant.

Faresætninger:
Ikke relevant.

Sikkerhedssætning(er):

Generelt:
-

Forebyggelse:
-

Reaktion:
-

Opbevaring:
-

Bortskaffelse:
-

Oplysningspligtige indholdsstoffer:
Indeholder ingen oplysningspligtige stoffer

▼*Anden mærkning:*
EUH210, Sikkerhedsdatablad kan på anmodning rekvireres.
Ikke relevant.

Indholdsmærkning jævnfør detergent-forordning (EF) nr. 648/2004 (gælder for emballage til vaskemidler, der sælges til offentligheden):

>15% - <30%
· Nonioniske overfladeaktive stoffer
< 5%
· Amfotere overfladeaktive stoffer
· Anioniske overfladeaktive stoffer
· Konserveringsmiddel (PHENOXYETHANOL)

2.3. Andre farer

Andet:
Blandingen/produktet indeholder ingen stoffer, som opfylder kriterierne for at skulle klassificeres som et PBT- og/eller vPvB-stof.
Produktet indeholder ingen stoffer, der er vurderet til at være hormonforstyrrende i overensstemmelse med kriterierne i Kommissionens delegerede forordning (EU) 2017/2100 eller Kommissionens forordning (EU) 2023/707.

PUNKT 3: SAMMENSÆTNING AF/OPLYSNING OM INDHOLDSSTOFFER

3.1. Stoffer

Finder ikke anvendelse. Dette produkt er en blanding.

3.2. Blandinger

Produkt/Substans	Identifikatorer	% w/w	Klassificering	Bem.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS nr: 147170-44-3 EF nr.: 604-575-4 REACH: Indeksnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS nr: 85536-23-8 EF nr.: REACH: 01-2119565130-50-0000	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

	Indeksnr.:			
2-phenoxyethanol	CAS nr: 122-99-6 EF nr.: 204-589-7 REACH: 01-2119488943-21 Indeksnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Den fulde ordlyd af H-sætningerne findes i punkt 16. Arbejdshygiejniske grænseværdier er nævnt i punkt 8, såfremt de er tilgængelige.

Andre oplysninger

[19] UVCB = Ukendt eller variabel sammensætning, komplekse reaktionsprodukter eller biologiske materialer.

PUNKT 4: FØRSTEHJÆLPSFORANSTALTNINGER

4.1. Beskrivelse af førstehjælpsforanstaltninger

Generelt:

Ved uheld: Kontakt læge eller skadestue - medbring etiketten eller dette sikkerhedsdatablad. Lægen kan rette henvendelse til Arbejds- og miljømedicinsk klinik, Bispebjerg Hospital, tlf. 38 63 61 72.
Ved vedvarende symptomer eller ved tvivl om den tilskadekomnes tilstand skal der søges lægehjælp. Giv aldrig en bevidstløs person vand eller lignende.

▼*Indånding:*

Ved ubehag: Bring personen i frisk luft.

Hudkontakt:

Ved irritation: Vask produktet af. Ved fortsat irritation: Søg læge.

▼*Øjenkontakt:*

Skyl forsigtigt med lunkent vand. Fjern eventuelle kontaktlinser, hvis det er nemt at gøre. Fortsæt med at skylle.
Ved vedvarende øjenirritation eller ubehag: Søg lægehjælp.

▼*Indtagelse:*

Skyl munden grundigt og drik rigeligt med vand. Ved vedvarende ubehag: søg læge og vis dette sikkerhedsdatablad.

Forbrænding:

Ikke relevant.

4.2. Vigtigste symptomer og virkninger, både akutte og forsinkede

Ingen kendte.

4.3. Angivelse af om øjeblikkelig lægehjælp og særlig behandling er nødvendig

Behandles symptomatisk.

Oplysning til lægen

Medbring dette sikkerhedsdatablad eller etiketten fra materialet.

PUNKT 5: BRANDBEKÆMPELSE

5.1. Slukningsmidler

Ikke relevant.

5.2. Særlige farer i forbindelse med stoffet eller blandingen

Brand vil udvikle tæt røg. Udsættelse for nedbrydningsprodukter kan udgøre en sundhedsfare. Lukkede beholdere, der udsættes for ild, afkøles med vand. Lad ikke vand fra brandslukning løbe ud i kloakker og vandløb.
Hvis produktet udsættes for høje temperaturer, fx i tilfælde af brand, kan der dannes farlige nedbrydningsprodukter. Disse er:

Carbonoxider (CO / CO2)

5.3. Anvisninger for brandmandskab
Ingen særlige krav.

PUNKT 6: FORHOLDSREGLER OVER FOR UDSLIP VED UHELD

6.1. Personlige sikkerhedsforanstaltninger, personlige værnemidler og nødprocedurer
Sørg for tilstrækkelig ventilation, især i lukkede områder.
Forurenede arealer kan være glatte.

6.2. Miljøbeskyttelsesforanstaltninger
Undgå udledning til søer, åer, kloakker mv.
Hold uautoriserede personer væk fra spildet

6.3. Metoder og udstyr til inddæmning og oprensning
Spild begrænses og opsamles med ikke-brandbart absorberende materiale, f.eks. sand, jord, vemiculite, diatomejord og placeres i beholder og bortskaffes i overensstemmelse med gældende regler.
Rengøring foretages så vidt muligt med rengøringsmidler. Opløsningsmidler bør undgås.

6.4. Henvisning til andre punkter
Se punkt 13 "Bortskaffelse" om håndtering af affald.
Se punkt 8 "Eksponeringskontrol/personlige værnemidler" for beskyttelsesforanstaltninger.

PUNKT 7: HÅNDTERING OG OPBEVARING

7.1. Forholdsregler for sikker håndtering
Rygning samt indtagelse af mad og drikke er ikke tilladt i arbejdslokaler.
Se punktet "Eksponeringskontrol/personlige værnemidler" for oplysning om personlig beskyttelse.

7.2. ▼Betingelser for sikker opbevaring, herunder eventuel uforenelighed

Anbefalet opbevaringsmateriale:
Opbevares kun i originalemballagen.

Opbevaringsbetingelser:
Tørt, køligt og velventileret

Materialer, der skal undgås:
Stærke syrer, stærke baser, stærke oxidationsmidler og stærke reduktionsmidler.

7.3. Særlige anvendelser
Produktet bør kun bruges til anvendelser beskrevet i punkt 1.2.

PUNKT 8: EKSPONERINGSKONTROL/PERSONLIGE VÆRNEMIDLER

8.1. Kontrolparametre
2,2',2''-nitrilotriethanol
Grænseværdi (8 timer) (mg/m^3): 3,1
Grænseværdi (8 timer) (ppm): 0,5
Grænseværdi (15 minutter) (mg/m^3): 6.2
Grænseværdi (15 minutter) (ppm): 1

Bekendtgørelse nr. 1619 om grænseværdier for stoffer og materialer af 19/12/2024.

DNEL
2-phenoxyethanol

Varighed:	**Eksponeringsvej:**	**DNEL:**
På lang sigt – systemiske virkninger	Dermal	10,42 mg/kg

På lang sigt – systemiske virkninger - arbejdere	Dermal	34.72 mg/kg bw/dag
På lang sigt – systemiske virkninger - forbruger	Dermal	20,83 mg/kg
På lang sigt – lokale virkninger - arbejdere	Indånding	5,7 mg/m³
På lang sigt – systemiske virkninger	Indånding	2,41 mg/m³
På lang sigt – systemiske virkninger - arbejdere	Indånding	5,7 mg/m³
På lang sigt – systemiske virkninger - arbejdere	Indånding	8.07 mg/m³
På lang sigt	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Varighed:	**Eksponeringsvej:**	**DNEL:**
På lang sigt – systemiske virkninger - arbejdere	Dermal	6.3 mg/kg bw/dag
På lang sigt – systemiske virkninger - forbruger	Dermal	3.1 mg/kg bw/dag
På lang sigt – lokale virkninger - arbejdere	Indånding	1,25 mg/m³
På lang sigt – lokale virkninger - arbejdere	Indånding	5 mg/m³
På lang sigt – systemiske virkninger - arbejdere	Indånding	5 mg/m³
På lang sigt – systemiske virkninger - forbruger	Indånding	1.25 mg/m³
På lang sigt – systemiske virkninger - forbruger	Oral	3.1 mg/kg bw/dag

PNEC

2-phenoxyethanol

Eksponeringsvej:	**Varighed af eksponering:**	**PNEC:**
Ferskvand		0,943 mg/L
Ferskvandssediment		7.2366 mg/kg
Havvand		0.0943 mg/L
Havvandssediment		0,7237 mg/kg
Jord		1,26 mg/kg
Spildevandsbehandlingsanlæg		24,8 mg/L
Spildevandsbehandlingsanlæg	Enkelt	36 mg/L

2,2',2''-nitrilotriethanol

Eksponeringsvej:	**Varighed af eksponering:**	**PNEC:**
Ferskvand		320 µg/L
Ferskvandssediment		1.7 mg/kg
Havvand		32 µg/L
Havvandssediment		170 µg/kg
Jord		151 µg/kg
Periodisk udslip (ferskvand)		5.12 mg/L
Spildevandsbehandlingsanlæg		10 mg/L

8.2. ▼Eksponeringskontrol

Overholdelse af de angivne grænseværdier bør kontrolleres regelmæssigt. Se evt. At-vejledning D.7.1, maj 2001.

Generelle forholdsregler:

Rygning samt indtagelse af mad og drikke er ikke tilladt i arbejdslokaler.

Eksponeringsscenarier:

Der er ikke implementeret nogen eksponeringsscenarier for dette produkt.

Eksponeringsgrænse:

Erhvervsmæssige brugere er omfattet af arbejdsmiljølovgivningens regler om maksimumkoncentrationer for

eksponering. Se arbejdshygiejniske grænseværdier ovenfor.

Tekniske tiltag:
Udvikling af dampe skal holdes lavest muligt og under de pågældende grænseværdier (se ovenfor). Brug eventuelt punktudsugning såfremt almindelig luftgennemstrømning i arbejdslokalet ikke er tilstrækkeligt. Sørg for synlig skiltning af øjenskyl og nødbruser.
Udvis almindelig forsigtighed ved brug af produktet. Undgå indånding af dampe.

▼*Hygiejniske foranstaltninger:*
Vask hænder efter brug.

Foranstaltninger til begrænsning af eksponering af miljøet:
Ingen særlige krav.

Individuelle beskyttelsesforanstaltninger

Generelt:
Anvend kun CE-mærket værneudstyr.

Luftvejene:

Type	Klasse	Farve	Standarder	
Ingen særlige ved normal tilsigtet brug.				

Hud og krop:

Type	Type/Kategori	Standarder	
Ingen særlige ved normal tilsigtet brug.	-	-	

Hænder:

Arbejdssituation	Materiale	Handsketykkelse (mm)	Gennembrudstid (min.)	Standarder	
I tilfælde af langvarig eksponering eller høje koncentrationer	Ingen særlige ved normal tilsigtet brug	-	-	-	
	Nitril	0.35			

Øjne:

Arbejdssituation	Type	Standarder	
	Ingen særlige ved normal tilsigtet brug.	-	
I tilfælde af langvarig eksponering eller høje koncentrationer	Beskyttelsesbriller med sideskjold	EN166	

PUNKT 9: FYSISKE OG KEMISKE EGENSKABER

9.1. Oplysninger om grundlæggende fysiske og kemiske egenskaber

Fysisk form:
Flydende

▼*Farve:*
Farveløs

Lugt / Lugttærskel (ppm):
Karakteristisk

pH:
ca. 9.0

Massefylde (g/cm³):

1,04 (20 °C)

Kinematisk viskositet:
Ingen data tilgængelige.

Partikelegenskaber:
Finder ikke anvendelse på væsker.

Tilstandsændring og dampe

Smeltepunkt/frysepunkt (°C):
Ingen data tilgængelige.

Blødgøringspunkt/-interval (°C):
Finder ikke anvendelse på væsker.

Kogepunkt (°C):
Ingen data tilgængelige.

Damptryk:
Ingen data tilgængelige.

Relativ dampmassefylde:
Ingen data tilgængelige.

Nedbrydningstemperatur (°C):
Ingen data tilgængelige.

Data for brand- og eksplosionsfare

Flammepunkt (°C):
Ingen data tilgængelige.

Antændelighed (°C):
Ingen data tilgængelige.

Selvantændelsestemperatur (°C):
Ingen data tilgængelige.

Øvre og nedre eksplosionsgrænse (% v/v):
Ingen data tilgængelige.

Opløselighed

Opløselighed i vand:
Fuldt opløseligt

n-octanol/vand koefficient (LogKow):
Ingen data tilgængelige.

Opløselighed i fedt (g/L):
Ingen data tilgængelige.

9.2. Andre oplysninger

Andre fysiske og kemiske parametre:
Ingen data tilgængelige.

Oxiderende egenskaber:
Ingen data tilgængelige.

PUNKT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet
Ingen data tilgængelige.

10.2. Kemisk stabilitet
Produktet er stabilt under de betingelser, som er angivet i punkt 7 "Håndtering og opbevaring".

10.3. Risiko for farlige reaktioner
Ingen kendte.

10.4. Forhold, der skal undgås
Ingen kendte.

10.5. Materialer, der skal undgås
Stærke syrer, stærke baser, stærke oxidationsmidler og stærke reduktionsmidler.

10.6. Farlige nedbrydningsprodukter
Under normale opbevarings- og brugsforhold bør der ikke dannes farlige nedbrydningsprodukter.

PUNKT 11: TOKSIKOLOGISKE OPLYSNINGER

11.1. Oplysninger om fareklasser som defineret i forordning (EF) nr. 1272/2008

Akut toksicitet

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 401
Art:	Rotte
Eksponeringsvej:	Oral
Test:	LD50
Resultat:	>5.000 mg/kg

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 402
Art:	Rotte
Eksponeringsvej:	Dermal
Test:	LD50
Resultat:	>2.000 mg/kg

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Eksponeringsvej:	Dermal
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Eksponeringsvej:	Oral
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Eksponeringsvej:	Dermal
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Substans	2-phenoxyethanol
Art:	Rotte
Eksponeringsvej:	Oral
Test:	LD50
Resultat:	1840 mg/kg

Produkt/Substans	2-phenoxyethanol
Art:	Kanin
Eksponeringsvej:	Dermal
Resultat:	>5000 mg/kg

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Hudætsning/-irritation

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Forsøgsmetode:	OECD 404
Art:	Marsvin
Resultat:	Skadelige virkninger observeret (Irriterende)

Produkt/Substans	2-phenoxyethanol
Resultat:	Skadelige virkninger observeret (Ætsende)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Alvorlig øjenskade/øjenirritation

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultat:	Skadelige virkninger observeret (Forårsager alvorlig øjenskade)

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 404
Art:	Kanin
Resultat:	Skadelige virkninger observeret (Mildt irriterende)

Produkt/Substans	2-phenoxyethanol
Resultat:	Skadelige virkninger observeret (Forårsager alvorlig øjenskade)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Respiratorisk sensibilisering

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Hudsensibilisering

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Kimcellemutagenicitet

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Kræftfremkaldende egenskaber

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Reproduktionstoksicitet

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Enkel STOT-eksponering

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Gentagne STOT-eksponeringer

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Aspirationsfare

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

11.2. Oplysninger om andre farer

Langtidsvirkninger

Ingen kendte.

Hormonforstyrrende egenskaber

Blandingen/produktet indeholder ingen stoffer, som er vurderet til at have hormonforstyrrende egenskaber i forhold til sundhed.

Andre oplysninger

2,2',2''-nitrilotriethanol er klassificeret af IARC i gruppe 3.

PUNKT 12: MILJØOPLYSNINGER

12.1. Toksicitet

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 203
Art:	Fisk, Pimephales promelas
Test:	LC50
Resultat:	>1-10 mg/L

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 202
Art:	Krebsdyr, Daphnia magna
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 201
Art:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 209
Art:	Pseudomonas putida
Delmiljø:	Aktivt renseanlæg
Test:	EC0
Resultat:	>100 mg/L

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 210
Art:	Fisk
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Forsøgsmetode:	OECD 211
Art:	Krebsdyr, Daphnia magna
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Forsøgsmetode:	OECD 201
Art:	Alger
Delmiljø:	Ferskvand
Varighed:	72 timer
Test:	EC50
Resultat:	410 mg/L

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Forsøgsmetode:	OECD 203
Art:	Fisk
Delmiljø:	Ferskvand
Varighed:	96 timer
Test:	LC50
Resultat:	2,9 mg/L

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Forsøgsmetode:	OECD 201

Art:	Alger
Delmiljø:	Ferskvand
Varighed:	72 timer
Test:	NOEC
Resultat:	4,9 mg/L

Produkt/Substans	2-phenoxyethanol
Art:	Fisk
Varighed:	96 timer
Test:	LC50
Resultat:	>100 mg/L

Produkt/Substans	2-phenoxyethanol
Art:	Alger
Varighed:	72 timer
Test:	ErC50
Resultat:	>100 mg/L

Produkt/Substans	2-phenoxyethanol
Art:	Daphnia magna
Varighed:	48 timer
Test:	EC50
Resultat:	>100 mg/L

Produkt/Substans	2-phenoxyethanol
Art:	Fisk
Test:	NOEC
Resultat:	23 mg/L

Produkt/Substans	2-phenoxyethanol
Art:	Andere waterorganismen
Varighed:	30 minutes
Test:	EC50
Resultat:	>1000 mg/L

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

12.2. Persistens og nedbrydelighed

Produkt/Substans	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Konklusion:	Let bionedbrydeligt

Produkt/Substans	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Konklusion:	Let bionedbrydeligt

Produkt/Substans	2-phenoxyethanol
Resultat:	>70
Konklusion:	Let bionedbrydeligt
Test:	OECD 301 A

Præparatets tensid(er) opfylder kriterierne for biologisk nedbrydelighed i henhold til Regulering (EF) nr. 648/2004 om vaske- og rengøringsmidler. Data til bekræftelse af dette er til disposition for medlemsstaternes kompetente myndigheder og vil kunne stilles til rådighed på direkte forespørgsel herfra eller på forespørgsel fra fabrikanter af vaske- og rengøringsmidler.

12.3. Bioakkumuleringspotentiale

Produkt/Substans	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Konklusion:	-

12.4. Mobilitet i jord
Ingen data tilgængelige.

12.5. Resultater af PBT- og vPvB-vurdering
Blandingen/produktet indeholder ingen stoffer, som opfylder kriterierne for at skulle klassificeres som et PBT- og/eller vPvB-stof.

12.6. Hormonforstyrrende egenskaber
Blandingen/produktet indeholder ingen stoffer, som er vurderet til at have hormonforstyrrende egenskaber i forhold til miljøet.

12.7. Andre negative virkninger
Ingen kendte.

PUNKT 13: BORTSKAFFELSE

13.1. Metoder til affaldsbehandling
Produktet er ikke omfattet af reglerne om farligt affald.
Kommissionens Forordning (EU) nr. 1357/2014 af 18. december 2014 om affald.

EAK-kode:
20 01 30 Detergenter, bortset fra affald henhørende under 20 01 29

Affaldsgruppe:
20 01 30 Detergenter, bortset fra affald henhørende under 20 01 29

Særlig mærkning
Ikke relevant.

Forurenet emballage
Emballager, med restindhold af produktet, bortskaffes efter samme betingelser som produktet.

PUNKT 14: TRANSPORTOPLYSNINGER

	14.1 UN	14.2 UN-forsendelsesbetegnelse	14.3 Transportfareklasse(r)	14.4 PG*	14.5. Env**	Andre oplysninger:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Emballagegruppe
** Miljøfarer

Anden information
Ikke farligt gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsigtighedsregler for brugeren
Ikke relevant.

14.7. Bulktransport til søs i henhold til IMO-instrumenter
Ingen data tilgængelige.

PUNKT 15: OPLYSNINGER OM REGULERING

15.1. Særlige bestemmelser/særlig lovgivning for stoffet eller blandingen med hensyn til sikkerhed, sundhed og miljø

Anvendelsesbegrænsninger:
Udelukkende til erhvervsmæssig brug.

Krav om særlig uddannelse:
Ingen særlige krav.

SEVESO - Farekategorier / Navngivne farlige stoffer:
Ikke relevant.

Indholdsmærkning jævnfør detergentforordning (EF) nr. 648/2004:

>15% - <30%
· Nonioniske overfladeaktive stoffer
< 5%
· Amfotere overfladeaktive stoffer
· Anioniske overfladeaktive stoffer
· Konserveringsmiddel (PHENOXYETHANOL)

Andet:
Præparatets tensid(er) opfylder kriterierne for biologisk nedbrydelighed i henhold til Regulering (EF) nr. 648/2004 om vaske- og rengøringsmidler. Data til bekræftelse af dette er til disposition for medlemsstaternes kompetente myndigheder og vil kunne stilles til rådighed på direkte forespørgsel herfra eller på forespørgsel fra fabrikanter af vaske- og rengøringsmidler.

Kilder:
Europa-Parlamentets og Rådets forordning nr. 648/2004 af 31. marts 2004 om vaske- og rengøringsmidler.
Kommissionens Forordning (EU) nr. 1357/2014 af 18. december 2014 om affald.
Europa-Parlamentets og Rådets forordning (EF) nr. 1272/2008 af 16. december 2008 om klassificering, mærkning og emballering af stoffer og blandinger (CLP).
Europa-Parlamentets og Rådets forordning (EF) nr. 1907/2006 af 18. december 2006 om registrering, vurdering og godkendelse af samt begrænsninger for kemikalier (REACH).

15.2. Kemikaliesikkerhedsvurdering
Nej

PUNKT 16: ANDRE OPLYSNINGER

Den fulde ordlyd af H-sætninger omtalt i punkt 3
H302, Farlig ved indtagelse.
H315, Forårsager hudirritation.
H318, Forårsager alvorlig øjenskade.
H319, Forårsager alvorlig øjenirritation.
H335, Kan forårsage irritation af luftvejene.
H412, Skadelig for vandlevende organismer, med langvarige virkninger.

Forkortelser og initialord
ADN = Europæiske Bestemmelser vedrørende International Transport af Farligt Gods ad Indre Vandveje
ADR = Europæisk Konvention om International Transport af Farligt Gods ad Vej
ATE = Vurdering af Akut Toksicitet
BCF = Biokoncentrationsfaktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (den europæiske konformitetskomite)
CLP = Lovgivning om Klassificering, Mærkning og Emballering af stoffer og blandinger [Europaparlamentets og Rådets Forordning (EF) Nr. 1272/2008]
CSA = Kemikaliesikkerhedsvurderinger
CSR = Kemikaliesikkerhedsrapport
DNEL = Derived-No-Effect-Level
EINECS = Europæisk Fortegnelse over Eksisterende Markedsførte Kemiske Stoffer
ES = Eksponeringsscenarie
EUH sætning = CLP-specificeret faresætning
EuPCS = Det europæiske produktkategoriseringssystem
EWC = Europæisk Affaldskatalog
FN = Forenede Nationer
GHS = Globalt harmoniseret system til klassificering og mærkning af kemikalier

GWP = Potentiale for global opvarmning
IARC = Internationale agentur for kræftforskning
IATA = International Air Transport Association
IMDG = Den Internationale Kode for Søtransport af Farligt Gods
LogPow = Logaritme af oktanol/vand-fordelingskoefficienten
MARPOL = Den Internationale Konvention om Forebyggelse af Forurening Fra Skibe, 1973 som modificeret ved Protokollen af 1978.
OECD = Organisationen for Økonomisk Samarbejde og Udvikling
PBT = Persistent, Bioakkumulerende og Toksisk
PNEC = Predicted-No-Effect-Concentration
RID = Lovgivningen om International Transport af Farligt Gods på Bane
RRN = REACH Registreringsnummer
SCL = Specifik koncentrationsgrænse.
STOT-RE = Specifik Målorganstoksicitet — Gentagen Eksponering
STOT-SE = Specifik Målorgantoksicitet — Enkelt Eksponering
SVHC = Substances of Very High Concern
TWA = Tidsvægtet gennemsnit
VOC = Flygtige Organiske Bestanddele
vPvB = Meget Persistente og Meget Bioakkumulerende

Anden information

Ikke relevant.

Sikkerhedsdatabladet er valideret af

Quality & Compliance

Andet

Ændringer i forhold til sidste væsentlige revision (første ciffer i SDS Version, se punkt 1) af dette sikkerhedsdatablad er markeret med en blå trekant.
Oplysningerne i dette sikkerhedsdatablad gælder kun produktet nævnt i punkt 1 og er ikke nødvendigvis gældende ved brug sammen med andre produkter.
Det anbefales at udlevere dette sikkerhedsdatablad til den faktiske bruger af produktet. Den nævnte information kan ikke bruges som produktspecifikation.
Land-sprog: DK-da

OHUTUSKAART

i.2 kitchen cleaner FlexDose Ultra

1. JAGU. AINE/SEGU NING ÄRIÜHINGU/ETTEVÕTJA IDENTIFITSEERIMINE

1.1. Tootetähis

Nimetus:
i.2 kitchen cleaner FlexDose Ultra

1.2. Aine või segu asjaomased kindlaksmääratud kasutusalad ning kasutusalad, mida ei soovitata

Kemikaali või segu asjakohased määratud kasutuseesmärgid:
Detergendid ja puhastusvahendid (sh lahustipõhised)
Üksnes kutsealaseks kasutamiseks.

Kasutusalad, mida ei soovitata:
Keegi pole tuttav.

1.3. Andmed ohutuskaardi tarnija kohta

Ettevõte ja aadress:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Muudetud:
05.08.2025

Ohutuskaardi versioon::
2.0

Eelmise väljaande kuupäev:
16.07.2025 (2.0)

1.4. Hädaabitelefoni number

Häirekeskus: 112
Mürgistuskeskuse infotelefon 16662 Eesti piires töötab 24/7 ja on kõigile helistajatele tasuta. ja (+372) 7943 794 välismaalt helistamiseks.
Kaitsemeetmeid vt jaotisest „Esmaabimeetmed“.

2. JAGU. OHTUDE IDENTIFITSEERIMINE

2.1. Aine või segu klassifitseerimine

Klassifitseerimata vastavalt EÜ määrusele nr 1272/2008 (CLP).

2.2. Märgistuselemendid

Ohupiktogrammidest:
Ei kohaldu.

Tunnussõna:

Ei kohaldu.

Ohulause:
Ei kohaldu.

Hoiatuslaused:

Üldised:
-

Ohtu ennetavad:
-

Reageerimise kohta:
-

Säilitamise kohta:
-

Kõrvaldamise kohta:
-

Sisaldab:
Ei sisalda teavitamiskohustusega koostisaineid

▼*Muu märgistus:*
EUH210, Ohutuskaart nõudmisel kättesaadav.
Ei kohaldu.

Koostise märgistamine vastavalt detergentide määrusele 648/2004 (kehtib üldsusele müüdavate pesuvahendite pakendite kohta):

>15% - <30%
· Mitteioonsed pindaktiivsed ained
< 5%
· Amfoteersed pindaktiivsed ained
· Anioonsed pindaktiivsed ained
· Säilitusainena (PHENOXYETHANOL)

2.3. Muud ohud

Muu:
See segu/toode ei sisalda aineid, mis vastavad kategooriasse PBT ja/või vPvB liigitamiseks nõutavatele tingimustele.
See toode ei sisalda aineid, mida käsitatakse vastavalt komisjoni delegeeritud määruses (EL) 2017/2100 või komisjoni määruses (EL) 2023/707 sätestatud kriteeriumidele endokriinseid häireid põhjustavate ainetena.

3. JAGU. KOOSTIS/TEAVE KOOSTISAINETE KOHTA

3.1. Ained
Ei rakendu. See toode on kokku segatud.

3.2. Segud

Toode/koostisosa	Identifitseerijad	% w/w	Klassifikatsioon	Märkused
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CASi nr: 147170-44-3 EÜ nr: 604-575-4 REACH: Indeksinr:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CASi nr: 85536-23-8 EÜ nr: REACH: 01-2119565130-50-0000 Indeksinr:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-fenoksüetanool	CASi nr: 122-99-6 EÜ nr: 204-589-7 REACH: 01-2119488943-21 Indeksinr: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

H-lausete täielikku teksti vaadakejaotisest 16. Kokkupuute piirväärtused on loetletud jaotisest 8, kui need on kättesaadavad.

Muu info

[19] UVCB = Tundmatu või muutuva koostisega ained, komplekssed reaktsioonisaadused või bioloogilist päritolu materjalid.

4. JAGU. ESMAABIMEETMED

4.1. Esmaabimeetmete kirjeldus

Üldinfo:

Õnnetuse korral pöörduda arsti või erakorralise meditsiini osakonna poolening - näidata toote etiketti või kemikaali ohutuskaarti. Selline lause lähtetekstis puudub.
Pöörduda arsti poole, kui kannatanu seisukorra osas on kahtlusi või kui sümptomid püsivad. Mitte kunagi ei tohi anda teadvuseta inimesele vett või muud vedelikku.

▼*Sissehingamisel:*

Ebamugavustunde tekkimisel viige isik värske õhu kätte.

Kokkupuutel nahaga:

Ärrituse korral loputage veega. Kui ärritus püsib, pöörduge arsti poole.

▼*Silma sattumisel:*

Loputage õrnalt leige veega. Eemaldage kontaktläätsed, kui neid saab hõlpsalt eemaldada. Jätkake loputamist. Püsiva silmade ärrituse või ebamugavustunde korral: pöörduge arsti poole.

▼*Allaneelamisel:*

Loputage suud põhjalikult ja jooge rohkelt vett. Kui enesetunne ei parane, siis pöörduge arsti poole ja näidake arstile seda ohutuskaarti.

Põletus:

Ei kohaldu.

4.2. Olulisemad akuutsed ja hilisemad sümptomid ning mõju

Keegi pole tuttav.

4.3. Märge igasuguse vältimatu meditsiiniabi ja eriravi vajalikkuse kohta

Raviga sümptomaatiliselt.

Info meditsiinitöötajatele

Võtta kaasa käesolev ohutuskaart või kemikaali etikett.

5. JAGU. TULEKUSTUTUSMEETMED

5.1. Tulekustutusvahendid

Ei kohaldu.

5.2. Aine või seguga seotud erilised ohud

Tulekahju korral tekib tihe suits. Pikemaajaline kokkupuude laguproduktidega võib ohustada tervist. Tulekahju mõjualas olevaid suletud mahuteid tuleb jahutada veega. Tule kustutamiseks kasutatud vett ei tohi lasta kanalisatsiooni ega ümbruse pinnavette.
Kui toodet mõjutab kõrge temperatuur, näiteks tulekahju puhul, moodustuvad ohtlikud lagusaadused. Need on: süsinikoksiidid (CO/CO2)

5.3. Nõuanded tuletõrjujatele

Erinõuded puuduvad.

6. JAGU. MEETMED JUHUSLIKU SATTUMISE KORRAL KESKKONDA

6.1. Isikukaitsemeetmed, kaitsevahendid ja toimimine hädaolukorras
Tagage piisav ventilatsioon, eriti suletud kohtades.
Saastunud alad võivad olla libedad.

6.2. Keskkonnakaitse meetmed
Vältige järvedesse, vooluveekogudesse ja kanalisatsiooni pääsemist.
Hoidke volitamata isikud leketest eemal

6.3. Tõkestamis- ning puhastamismeetodid ja -vahendid
Sulgege ja koguge mahasattunud aine mittesüttiva, absorbeeriva materjaliga, nt liiv, muld, vermikuliit või kobediatomiit, ja pange utiliseerimismahutisse vastavalt kohalikele määrustele.
Võimalusel puhastada tavapäraste puhastusvahenditega. Vältida lahusteid.

6.4. Viited muudele jagudele
Jäätmekäitlust vt jaotisest 13 „Jäätmekäitlus“.
Kaitsemeetmeid vt jaotisest 8 „Kokkupuute ohjamine / isikukaitse“.

7. JAGU. KÄITLEMINE JA LADUSTAMINE

7.1. Ohutu käitlemise tagamiseks vajalikud ettevaatusabinõud
Suitsetamine, söömine, joomine ja tubaka, toiduainete ja jookide hoidmine ruumis on keelatud.
Infot isikukaitsevahendite kohta vt jaotisest „Kokkupuute ohjamine / isikukaitse“.

7.2. ▼Ohutu ladustamise tingimused, sealhulgas sobimatud ladustamistingimused

Pakendi sobivusega seotud nõuded:
Hoida üksnes originaalpakendis.

Säilitustingimused:
Kuiv, jahe, hea ventilatsiooniga

Kokkusobimatud materjalid:
Tugevad happed, tugevad alused, tugevalt oksüdeerivad ained ja tugevalt redutseerivad ained.

7.3. Erikasutus
Seda toodet tohib kasutada ainult jaotises 1.2 kirjeldatud eesmärkidel.

8. JAGU. KOKKUPUUTE OHJAMINE/ISIKUKAITSE

8.1. Kontrolliparameetrid
2,2',2''-nitrilotriethanol
Piirnorm (8-tunnise) (mg/m^3): 5
Lühiajaline kokkupuute piirmäär (15-minutilise) (mg/m^3): 10
Märkused:
S = Sensibiliseeriv aine.

Vabariigi Valitsuse 20. märtsi 2001. a määrus nr 105 „Töökeskkonna keemiliste ohutegurite piirnormid“.

DNEL
2-fenoksüetanool

Periood:	**Suund:**	**DNEL:**
Pikaajaline – süsteemne toime	Nahakaudne	10,42 mg/kg
Pikaajaline – süsteemne toime – töötajad	Nahakaudne	34.72 mg/kg/päeva
Pikaajaline – süsteemne toime – üldine rahvastik	Nahakaudne	20,83 mg/kg

Pikaajaline – kohalik toime – töötajad	Sissehingamine	5,7 mg/m³
Pikaajaline – süsteemne toime	Sissehingamine	2,41 mg/m³
Pikaajaline – süsteemne toime – töötajad	Sissehingamine	5,7 mg/m³
Pikaajaline – süsteemne toime – töötajad	Sissehingamine	8.07 mg/m³
Pikaajaline	Suukaudne	9,23 mg/kg

2,2',2''-nitrilotriethanol

Periood:	**Suund:**	**DNEL:**
Pikaajaline – süsteemne toime – töötajad	Nahakaudne	6.3 mg/kg/päeva
Pikaajaline – süsteemne toime – üldine rahvastik	Nahakaudne	3.1 mg/kg/päeva
Pikaajaline – kohalik toime – töötajad	Sissehingamine	1,25 mg/m³
Pikaajaline – kohalik toime – töötajad	Sissehingamine	5 mg/m³
Pikaajaline – süsteemne toime – töötajad	Sissehingamine	5 mg/m³
Pikaajaline – süsteemne toime – üldine rahvastik	Sissehingamine	1.25 mg/m³
Pikaajaline – süsteemne toime – üldine rahvastik	Suukaudne	3.1 mg/kg/päeva

PNEC

2-fenoksüetanool

Suund:	**Kokkupuute aeg:**	**PNEC:**
Magevee setted		7.2366 mg/kg
Magevesi		0,943 mg/L
Merevee setted		0,7237 mg/kg
Merevesi		0.0943 mg/L
Pinnas		1,26 mg/kg
Reoveepuhasti		24,8 mg/L
Reoveepuhasti	Ühekordne	36 mg/L

2,2',2''-nitrilotriethanol

Suund:	**Kokkupuute aeg:**	**PNEC:**
Magevee setted		1.7 mg/kg
Magevesi		320 µg/L
Merevee setted		170 µg/kg
Merevesi		32 µg/L
Pinnas		151 µg/kg
Reoveepuhasti		10 mg/L
Vahelduv vabastamine (magevesi)		5.12 mg/L

8.2. ▼Kokkupuute ohjamine

Regulaarselt tuleb kontrollida vastavust kutsealase kokkupuute piirväärtustele.

Üldised soovitused:

Suitsetamine, söömine, joomine ja tubaka, toiduainete ja jookide hoidmine ruumis on keelatud.

Kokkupuute stsenaariumid:

Selle toote jaoks ei ole koostatud kokkupuute stsenaariume.

Kokkupuute piirväärtused:

Professionaalsetel kasutajatel tuleb järgida töökeskkonda puudutavaid eeskirju kutsealase kokkupuute maksimaalsete piirväärtuste kohta. Töötervishoiu piirväärtusi vaadata eelnevast tekstist.

Insenertehnilised meetmed:

Aurude moodustumine peab olema minimaalne ja allpool praeguseid piirväärtusi (vt eespool). Kui tavaline õhuvool

tööruumis ei ole piisav, on soovitatav paigaldada kohalik väljalaskesüsteem. Veenduge, et hädaolukorra silmapesu kohad ja -dušid oleksid selgelt märgistatud.
Rakendage toote kasutamise ajal standardseid ettevaatusabinõusid. Vältige aurude sissehingamist.

▼*Hügieenimeetmed:*
Pärast kasutamist peske käsi.

Kokkupuute ohjamine keskkonnas:
Erinõuded puuduvad.

Isiklikud kaitsemeetmed, nagu isikukaitsevahendid

Üldteave:
Kasutada ainult CE-märgistusega kaitsevahendeid.

Hingamisteede kaitse:

Tüüp	Klass	Värvus	Standardid	
Eesmärgipärasel kasutamisel eritingimused puuduvad.				

Naha kaitse:

Soovitatav	Tüüp/Kategooria	Standardid	
Eesmärgipärasel kasutamisel eritingimused puuduvad	-	-	

Käte kaitse:

Tööolukord	Materjal	Minimaalne kihi paksus (mm)	Läbimisaeg (min.)	Standardid	
Pikaajalise kokkupuute või kõrgete kontsentratsioonide korral	Eesmärgipärasel kasutamisel eritingimused puuduvad	-	-	-	
	Nitril	0.35			

Silmade kaitse:

Tööolukord	Tüüp	Standardid	
	Eesmärgipärasel kasutamisel eritingimused puuduvad.	-	
Pikaajalise kokkupuute või kõrgete kontsentratsioonide korral	Kasutage külgkaitsmetega kaitseprille.	EN166	

9. JAGU. FÜÜSIKALISED JA KEEMILISED OMADUSED

9.1. Teave üldiste füüsikaliste ja keemiliste omaduste kohta

Olek:
Vedelik

▼*Värvus:*
Värvitu

Lõhn/lõhnalävi (ppm):
Iseloomulik

pH:
ca. 9.0

Tihedus (g/cm³):

1,04 (20 °C)

Kinemaatiline viskoossus:
Andmed puuduvad.

Osakeste omadused:
Ei kohaldata vedelike suhtes.

Oleku muutused

Sulamis-/külmumispunkt (°C):
Andmed puuduvad.

Pehmenemispunkti/pehmenemistemperatuuri vahemiku (°C):
Ei kohaldata vedelike suhtes.

Keemispunkt (°C):
Andmed puuduvad.

Aururõhk:
Andmed puuduvad.

Auru suhteline tihedus :
Andmed puuduvad.

Lagunemistemperatuur (°C):
Andmed puuduvad.

Teave tule- ja plahvatusohu kohta

Leekpunkt (°C):
Andmed puuduvad.

Süttivus (°C):
Andmed puuduvad.

Isesüttimistemperatuur (°C):
Andmed puuduvad.

Plahvatuspiir (% v/v):
Andmed puuduvad.

Lahustuvus

Lahustuvus vees:
Täiesti lahustuv

Jaotustegur n-oktanool/vesi (LogKow):
Andmed puuduvad.

Lahustuvus rasvas (g/L):
Andmed puuduvad.

9.2. Muu teave

Muud füüsikalised ja keemilised parameetrid:
Andmed puuduvad.

Oksüdeerivad omadused:
Andmed puuduvad.

10. JAGU. PÜSIVUS JA REAKTSIOONIVÕIME

10.1. Reaktsioonivõime
Andmed puuduvad.

10.2. Keemiline stabiilsus
Toode on stabiilne tingimustes, mida on kirjeldatud jaotises 7 „Käitlemine ja ladustamine“.

10.3. Ohtlike reaktsioonide võimalikkus
Keegi pole tuttav.

10.4. Tingimused, mida tuleb vältida

Keegi pole tuttav.

10.5. Kokkusobimatud materjalid

Tugevad happed, tugevad alused, tugevalt oksüdeerivad ained ja tugevalt redutseerivad ained.

10.6. Ohtlikud lagusaadused

Tavapärastes hoiustamise ja kasutamise tingimustes ei tohiks ohtlikke lagunemissaadusi tekkida.

11. JAGU. TEAVE TOKSILISUSE KOHTA

11.1. Teave ohuklasside kohta, nagu see on määratletud määruses (EÜ) nr 1272/2008

Akuutne mürgisus

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 401
Art:	Rott
Suund:	Suukaudne
Katse:	LD50
Tulemus:	>5.000 mg/kg

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 402
Art:	Rott
Suund:	Nahakaudne
Katse:	LD50
Tulemus:	>2.000 mg/kg

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rott
Suund:	Nahakaudne
Katse:	LD50
Tulemus:	>2000 mg/kg

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rott
Suund:	Suukaudne
Katse:	LD50
Tulemus:	>2000 mg/kg

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rott
Suund:	Nahakaudne
Katse:	LD50
Tulemus:	>2000 mg/kg

Toode/koostisosa	2-fenoksüetanool
Art:	Rott
Suund:	Suukaudne
Katse:	LD50
Tulemus:	1840 mg/kg

Toode/koostisosa	2-fenoksüetanool
Art:	Küülik
Suund:	Nahakaudne
Tulemus:	>5000 mg/kg

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Nahka söövitav/ärritav

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Katsemeetod:	OECD 404

Art:	Merisiga
Tulemus:	Täheldati kahjulikke toimeid (Ärritav)

Toode/koostisosa	2-fenoksüetanool
Tulemus:	Täheldati kahjulikke toimeid (Söövitav)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Rasket silmade kahjustust/ärritust põhjustav

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Tulemus:	Täheldati kahjulikke toimeid (Põhjustab raskeid silmakahjustusi)

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 404
Art:	Küülik
Tulemus:	Täheldati kahjulikke toimeid (Kergelt ärritav)

Toode/koostisosa	2-fenoksüetanool
Tulemus:	Täheldati kahjulikke toimeid (Põhjustab raskeid silmakahjustusi)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Hingamiselundite sensibiliseerimine

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Naha sensibiliseerimine

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Mutageensus sugurakkudele

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Kantserogeensus

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Reproduktiivtoksilisus

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Sihtorgani suhtes toksilised: ühekordne kokkupuude

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Sihtorgani suhtes toksilised: korduv kokkupuude

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Hingamiskahjustus

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

11.2. Teave muude ohtude kohta

Pikaajaline toime

Keegi pole tuttav.

Endokriinseid häireid põhjustavad omadused

See segu/toode ei sisalda aineid, millel oleks hormonaalseid häireid põhjustavaid mõjusid tervisele.

Muu teave

2,2',2''-nitrilotriethanol: Aine on IARC poolt klassifitseeritud gruppi 3.

12. JAGU. ÖKOLOOGILINE TEAVE

12.1. Toksilisus

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 203
Art:	Kala, Pimephales promelas
Katse:	LC50

Tulemus:	>1-10 mg/L

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 202
Art:	Koorikloom, Daphnia magna
Katse:	EC50
Tulemus:	>1-10 mg/L

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 201
Art:	Andere waterorganismen, Desmodesmus subspicatus
Katse:	EC50
Tulemus:	>1-10 mg/L

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 209
Art:	Pseudomonas putida
Keskkonnaosa:	Aktiivmudapuhasti
Katse:	EC0
Tulemus:	>100 mg/L

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 210
Art:	Kala
Katse:	NOEC
Tulemus:	>0,1-1 mg/L

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Katsemeetod:	OECD 211
Art:	Koorikloom, Daphnia magna
Katse:	NOEC
Tulemus:	>0,1-1 mg/L

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Katsemeetod:	OECD 201
Art:	Vetikad
Keskkonnaosa:	Magevesi
Periood:	72 tunni
Katse:	EC50
Tulemus:	410 mg/L

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Katsemeetod:	OECD 203
Art:	Kala
Keskkonnaosa:	Magevesi
Periood:	96 tunni
Katse:	LC50
Tulemus:	2,9 mg/L

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Katsemeetod:	OECD 201
Art:	Vetikad
Keskkonnaosa:	Magevesi
Periood:	72 tunni
Katse:	NOEC
Tulemus:	4,9 mg/L

Toode/koostisosa	2-fenoksüetanool
Art:	Kala
Periood:	96 tunni
Katse:	LC50
Tulemus:	>100 mg/L

Toode/koostisosa	2-fenoksüetanool
Art:	Vetikad
Periood:	72 tunni
Katse:	ErC50
Tulemus:	>100 mg/L

Toode/koostisosa	2-fenoksüetanool
Art:	Daphnia magna
Periood:	48 tunni
Katse:	EC50
Tulemus:	>100 mg/L

Toode/koostisosa	2-fenoksüetanool
Art:	Kala
Katse:	NOEC
Tulemus:	23 mg/L

Toode/koostisosa	2-fenoksüetanool
Art:	Andere waterorganismen
Periood:	30 minutes
Katse:	EC50
Tulemus:	>1000 mg/L

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

12.2. Püsivus ja lagunduvus

Toode/koostisosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Järeldus:	Kergesti biolagundatav

Toode/koostisosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Järeldus:	Kergesti biolagundatav

Toode/koostisosa	2-fenoksüetanool
Tulemus:	>70
Järeldus:	Kergesti biolagundatav
Katse:	OECD 301 A

Nimetatud valmistis(t)es sisalduvate pindaktiivsete ainete biolagundatavus vastab biolagundatavuse kriteeriumidele, mis on detergentidele sätestatud EÜ määruses nr 648/2004. Seda kinnitust toetavad andmed on liikmesriikide pädevate asutuste valduses ning antakse liikmesriikidele nende vahetu taotluse alusel või detergentide tootja taotluse alusel.

12.3. Bioakumulatsioon

Toode/koostisosa	2-fenoksüetanool
BCF:	0.349
LogKow:	1.2
Järeldus:	-

12.4. Liikuvus pinnases

Andmed puuduvad.

12.5. Püsivate, bioakumuleeruvate ja toksiliste ning väga püsivate ja väga bioakumuleeruvate omaduste hindamine

See segu/toode ei sisalda aineid, mis vastavad kategooriasse PBT ja/või vPvB liigitamiseks nõutavatele tingimustele.

12.6. Endokriinseid häireid põhjustavad omadused

See toode/segu ei sisalda aineid, millel oleks endokriinseid häireid põhjustavaid mõjusid keskkonnale.

12.7. Muud kahjulikud mõjud
Keegi pole tuttav.

13. JAGU. JÄÄTMEKÄITLUS

13.1. Jäätmetöötlusmeetodid
Ei kuulu ohtlike jäätmete hulka.
Komisjoni määrus (EL) nr 1357/2014, 18. detsember 2014, millega asendatakse Euroopa Parlamendi ja Nõukogu direktiivi 2008/98/EÜ (mis käsitleb jäätmeid ja millega tunnistatakse kehtetuks teatud direktiivid) III lisa.

EWC kood:
20 01 30 Pesuained, mida ei ole nimetatud koodinumbriga 20 01 29

Saastunud pakendimaterjal
Saastunud pakendid tuleb hävitada samamoodi nagu toode ise.

14. JAGU. VEONÕUDED

	14.1 ÜRO	14.2 ÜRO veose tunnusnimetus	14.3 Transpordi ohuklass(id	14.4 PG*	14.5. Env**	Muu info:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pakendigrupp

** Keskkonnaohud

Muu teave
ADR, IATA ja IMDG seisukohalt mitteohtlikud ained.

14.6. Eriettevaatusabinõud kasutajatele
Ei kohaldu.

14.7. Mahtlasti merevedu kooskõlas Rahvusvahelise Mereorganisatsiooni dokumentidega
Andmed puuduvad.

15. JAGU. REGULEERIVAD ÕIGUSAKTID

15.1. Ainete ja segude suhtes kohaldatavad ohutus-, tervise- ja keskkonnaalased eeskirjad/õigusaktid

Piirangud kasutamisel:
Üksnes kutsealaseks kasutamiseks.

Nõuded eriväljaõppele:
Erinõuded puuduvad.

SEVESO Ohukategooriad / nimetatud ohtlikud ained:
Ei kohaldu.

Koostise märgistamine vastavalt detergentide määrusele 648/2004:

>15% - <30%
· Mitteioonsed pindaktiivsed ained
< 5%
· Amfoteersed pindaktiivsed ained
· Anioonsed pindaktiivsed ained
· Säilitusainena (PHENOXYETHANOL)

Muu teave:

Nimetatud valmistis(t)es sisalduvate pindaktiivsete ainete biolagundatavus vastab biolagundatavuse kriteeriumidele, mis on detergentidele sätestatud EÜ määruses nr 648/2004. Seda kinnitust toetavad andmed on liikmesriikide pädevate asutuste valduses ning antakse liikmesriikidele nende vahetu taotluse alusel või detergentide tootja taotluse alusel.

Allikas:

Euroopa Parlamendi ja Nõukogu määrus (EÜ) nr 648/2004, 31. märts 2004, detergentide kohta.
Komisjoni määrus (EL) nr 1357/2014, 18. detsember 2014, millega asendatakse Euroopa Parlamendi ja Nõukogu direktiivi 2008/98/EÜ (mis käsitleb jäätmeid ja millega tunnistatakse kehtetuks teatud direktiivid) III lisa.
Euroopa Parlamendi ja Nõukogu määrus (EÜ) nr 1272/2008, 16. detsember 2008, mis käsitleb ainete ja segude klassifitseerimist, märgistamist ja pakendamist (CLP).
Euroopa Parlamendi ja nõukogu määrus (EÜ) nr 1907/2006, 18. detsember 2006, mis käsitleb kemikaalide registreerimist, hindamist, autoriseerimist ja piiramist (REACH).

15.2. Kemikaaliohutuse hindamine

Ei

16. JAGU. MUU TEAVE

Jaotises 3 esitatud H-lausete tekst

H302, Allaneelamisel kahjulik.
H315, Põhjustab nahaärritust.
H318, Põhjustab raskeid silmakahjustusi.
H319, Põhjustab tugevat silmade ärritust.
H335, Võib põhjustada hingamisteede ärritust.
H412, Ohtlik veeorganismidele, pikaajaline toime.

Lühendid ja akronüümid

ADN = Ohtlike veoste rahvusvahelise siseveeteede Euroopa kokkulepe
ADR = Ohtlike veoste rahvusvahelise autoveo Euroopa kokkulepe Ägeda toksilisuse hinnang
BCF = Biokontsentratsiooni faktor
CAS = Chemical Abstracts' teenistus
CE = Conformité Européenne
CLP = Klassifitseerimise, märgistamise ja pakendamise määrus [EÜ määrus nr 1272/2008]
CSA = Kemikaalide ohutuse hindamine
CSR = Kemikaalide ohutusaruanne
DNEL = Tuletatud mittetoimiv tase
EJK = Euroopa jäätmekataloog
EUH-lause = CLP eriohulause
EuPCS = Euroopa toodete kategoriseerimise süsteem
GHS = Kemikaalide klassifitseerimise ja märgistamise globaalne harmoneeritud süsteem
GWP = Globaalse soojenemise potentsiaal
IATA = Rahvusvaheliste Õhuvedude Assotsiatsioon
IBC = hulgikauba vahekonteiner
IMDG = Rahvusvaheline ohtlike kaupade mereveo koodeks/eeskiri
LogP o/w Oktanool/vesi jaotuskoefitsiendi logaritm
LOÜ = Lenduvad orgaanilised ühendid
MARPOL 73/78 = 1973.a Rahvusvaheline konventsioon merereostuse vältimiseks laevadel muudetud 1978.a protokolliga. ("Marpol" - merereostus)
OECD = Majanduskoostöö ja Arengu Organisatsioon
PBT = Püsivad, bioakumuleeruvad ja mürgised Arvutuslik mittetoimiv sisaldus
RID = Ohtlike veoste rahvusvahelise raudteeveo kokkulepe
SCL = On konkreetse sisalduse piirnormiga.
SVHS = Väga ohtlikud ained
STOT-RE = Mürgistus siseelundi suhtes - korduv kokkupuude
STOT-SE = Mürgistus siseelundi suhtes - ühekordne kokkupuude
TWA = Ajas kaalutud keskmine
UVCB = Tundmatu või muutuva koostisega ained, kompleksed reaktsioonisaadused või bioloogilist päritolu materjalid.
ÜRO = Ühinenud Rahvaste Organisatsioon
vPvB = Väga püsivad ja väga bioakumuleeruvad

Muu teave
Ei kohaldu.

Ohutuskaardi on kinnitanud
Quality & Compliance

Muu
Muudatus (võrreldes viimase olulise muudatusega (kemikaali ohutuskaardi versiooni esimene number, vt jaotist 1) on tähistatud kolmnurgaga.
Sellel kemikaali ohutuskaardil sisalduv info kehtib ainult selle spetsiifilise toote kohta (nimetatud jaotises 1) ja ega pruugi tingimata kehtida teiste kemikaalide või toodete puhul.
Soovitatav on anda see kemikaali ohutuskaart üle toote tegelikule kasutajale. Sellel kemikaali ohutuskaardil sisalduvat informatsiooni ei tohi kasutada toote spetsifikatsioonina.
Riik-keel: EE-et

FICHA DE DATOS DE SEGURIDAD

i.2 kitchen cleaner FlexDose Ultra

SECCIÓN 1. IDENTIFICACIÓN DE LA SUSTANCIA O LA MEZCLA Y DE LA SOCIEDAD O LA EMPRESA

1.1. Identificador de producto

Nombre comercial:
i.2 kitchen cleaner FlexDose Ultra

1.2. Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados

Usos pertinentes identificados de la sustancia o de la mezcla:
Agentes de lavado y limpieza (incluso a base de disolventes)
Reservado exclusivamente a usuarios profesionales.

Usos desaconsejados :
Ningunos conocidos.

1.3. Datos del proveedor de la ficha de datos de seguridad

Nombre y dirección de la empresa:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Correo electrónico:
info@hygeniq.com

Revisión:
5/8/2025

Versión FDS:
2.0

Fecha de la emisión anterior:
16/7/2025 (2.0)

1.4. Teléfono de emergencia

Servicio de Información Toxicológica
Teléfono: +34 91 562 04 20
Información en español (24h/365 días)
Consulte la sección 4 para obtener información sobre primeros auxilios.

SECCIÓN 2. IDENTIFICACIÓN DE LOS PELIGROS

2.1. Clasificación de la sustancia o de la mezcla

No clasificado de acuerdo con el Reglamento (CE) nº 1272/2008 (CLP).

2.2. Elementos de la etiqueta

Pictogramas de peligro:
No aplicable.

Palabra de advertencia:
No aplicable.

Indicaciones de peligro:
No aplicable.

Consejos de prudencia:

Generalidades:
-

Prevención:
-

Intervención:
-

Almacenamiento:
-

Eliminación:
-

Identificación de las sustancias principalmente responsables de los riesgos graves para la salud:
No contiene sustancias que haga falta notificar

▼*Etiquetado adicional:*
EUH210, Puede solicitarse la ficha de datos de seguridad.
No aplicable.

Etiquetado del contenido según el Reglamento de Detergentes 648/2004 (aplicable a los envases de detergentes vendidos al público en general):

>15% - <30%
· Tensioactivos no iónicos
< 5%
· Tensioactivos anfotéricos
· Tensioactivos aniónicos
· Conservantes (PHENOXYETHANOL)

2.3. Otros peligros

Advertencias adicionales:
No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.
Este producto no contiene ninguna sustancia considerada disruptor endocrino de acuerdo con los criterios establecidos en el Reglamento Delegado (UE) 2017/2100 de la Comisión o el Reglamento (UE) 2023/707 de la Comisión.

SECCIÓN 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

3.1. Sustancias
No aplicable. Este producto es una mezcla.

3.2. Mezclas

Producto / ingrediente	Identificadores	% w/w	Clasificación	Notas
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N° CAS: 147170-44-3 N° CE: 604-575-4 REACH: N° de índice:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N° CAS: 85536-23-8 N° CE: REACH: 01-2119565130-50-0000	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

	N° de índice:			
2-fenoxietanol	N° CAS: 122-99-6 N° CE: 204-589-7 REACH: 01-2119488943-21 N° de índice: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

La redacción completa de las frases H se encuentra en la sección 16. Los límites de las condiciones laborales correctas se mencionan en la sección 8, siempre y cuando sean accesibles.

Otra información

[19] UVCB = significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos.

SECCIÓN 4. PRIMEROS AUXILIOS

4.1. Descripción de los primeros auxilios

General:

En caso de accidente: Póngase en contacto con el médico o vaya a emergencias. Llévese la etiqueta o esta hoja de datos de seguridad. El médico deberá ponerse en contacto con el Servicio de información Toxicológica, Teléfono: +34 91 562 04 20.
Si los síntomas son permanentes o si tiene alguna duda sobre la situación del accidentado, consulte a un médico. Nunca dé agua ni nada parecido a una persona inconsciente.

▼*Inhalación:*

En caso de náuseas: Llevar a la persona al aire fresco.

Contacto con la piel:

En caso de irritación: Aclarar el producto. En caso de irritación persistente: Buscar un médico.

▼*Contacto con los ojos:*

Aclarar suavemente con agua tibia. Quítese las lentillas si le resulta fácil hacerlo. Seguir aclarando. En caso de irritación o molestias oculares persistentes: acudir al médico.

▼*Ingestión:*

Enjuagarse la boca y beber mucha agua. En caso de que las náuseas persistan: buscar un médico y enseñarle ésta hoja de seguridad.

Quemadura:

No aplicable.

4.2. Principales síntomas y efectos, agudos y retardados

Ningunos conocidos.

4.3. Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

Tratar sintomáticamente.

Explicación para el médico

Lleve esta hoja de datos de seguridad o la etiqueta del material.

SECCIÓN 5. MEDIDAS DE LUCHA CONTRA INCENDIOS

5.1. Medios de extinción

No aplicable.

5.2. Peligros específicos derivados de la sustancia o la mezcla

En caso de incendio se genera un humo denso. La exposición a productos en descomposición puede representar un peligro para la salud. Los contenedores cerrados expuestos al fuego deben enfriarse con agua. No deje que el agua utilizada para apagar el fuego se vierta en la alcantarillado ni cursos de agua.
Si el producto queda expuesto a altas temperaturas, por ejemplo en caso de incendio, pueden generarse productos

en descomposición peligrosos. En concreto:
Óxidos de carbono (CO / CO2)

5.3. Recomendaciones para el personal de lucha contra incendios
No tiene requisitos específicos.

SECCIÓN 6. MEDIDAS EN CASO DE VERTIDO ACCIDENTAL

6.1. Precauciones personales, equipo de protección y procedimientos de emergencia
Asegure una ventilación adecuada, especialmente en áreas confinadas.
Las áreas contaminadas pueden ser resbaladizas.

6.2. Precauciones relativas al medio ambiente
Evite los vertidos en lagos, ríos, alcantarillas y demás.
Mantenga a las personas no autorizadas alejadas del derrame.

6.3. Métodos y material de contención y de limpieza
Contenga y recoja los derrames con material absorbente no combustible, por ejemplo: arena, tierra, vermiculita o tierra de diatomeas y colocar en un recipiente para su eliminación de acuerdo con las normas locales.
Siempre que sea posible, efectúe la limpieza con detergentes. Evite utilizar disolventes.

6.4. Referencia a otras secciones
Consulte la sección 13 "Consideraciones relatives a la eliminación" sobre el manejo de desechos.
Consulte la sección 8 "Controles de exposición/protección individual" para conocer las disposiciones de seguridad.

SECCIÓN 7. MANIPULACIÓN Y ALMACENAMIENTO

7.1. Precauciones para una manipulación segura
No está permitido fumar, comer ni beber en el lugar de trabajo.
Consulte la sección "Controles de exposición/protección individual" para conocer las disposiciones de seguridad personal.

7.2. ▼Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

Compatibilidades de embalaje:
Conservar únicamente en el embalaje original.

Condiciones de almacenaje:
Conservar en lugar fresco, seco y bien ventilado

Materiales incompatibles:
Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

7.3. Usos específicos finales
Este producto sólo debe utilizarse para los fines descritos en la sección 1.2.

SECCIÓN 8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN INDIVIDUAL

8.1. Parámetros de control
2,2',2''-nitrilotriethanol
Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (mg/m^3): 5

Límites de exposición profesional para agentes químicos en España. 2024

DNEL
2-fenoxietanol

Duración:	Vía de exposición:	DNEL:
Largo plazo - efectos sistémicos	Dérmico	10,42 mg/kg
Largo plazo - efectos sistémicos- trabajadores	Dérmico	34.72 mg/kg/día

Largo plazo -efectos sistémicos- población general	Dérmico	20,83 mg/kg
Largo plazo - efectos locales- trabajadores	Inhalación	5,7 mg/m³
Largo plazo - efectos sistémicos	Inhalación	2,41 mg/m³
Largo plazo - efectos sistémicos- trabajadores	Inhalación	5,7 mg/m³
Largo plazo - efectos sistémicos- trabajadores	Inhalación	8.07 mg/m³
Largo plazo	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Duración:	**Vía de exposición:**	**DNEL:**
Largo plazo - efectos sistémicos- trabajadores	Dérmico	6.3 mg/kg/día
Largo plazo -efectos sistémicos- población general	Dérmico	3.1 mg/kg/día
Largo plazo - efectos locales- trabajadores	Inhalación	1,25 mg/m³
Largo plazo - efectos locales- trabajadores	Inhalación	5 mg/m³
Largo plazo - efectos sistémicos- trabajadores	Inhalación	5 mg/m³
Largo plazo -efectos sistémicos- población general	Inhalación	1.25 mg/m³
Largo plazo -efectos sistémicos- población general	Oral	3.1 mg/kg/día

PNEC

2-fenoxietanol

Vía de exposición:	**Tiempo de exposición:**	**PNEC:**
Agua dulce		0,943 mg/L
Agua marina		0.0943 mg/L
Depuradora de aguas residuales		24,8 mg/L
Depuradora de aguas residuales	Sola	36 mg/L
Sedimento de agua dulce		7.2366 mg/kg
Sedimento de agua marina		0,7237 mg/kg
Tierra		1,26 mg/kg

2,2',2''-nitrilotriethanol

Vía de exposición:	**Tiempo de exposición:**	**PNEC:**
Agua dulce		320 µg/L
Agua marina		32 µg/L
Depuradora de aguas residuales		10 mg/L
Liberación intermitente (agua dulce)		5.12 mg/L
Sedimento de agua dulce		1.7 mg/kg
Sedimento de agua marina		170 µg/kg
Tierra		151 µg/kg

8.2. ▼Controles de la exposición

Compruebe regularmente que no se superan los valores límite indicados.

Medidas de precaución generales:

No está permitido fumar, comer ni beber en el lugar de trabajo.

Escenarios de exposición:

No hay escenarios de exposición implementados para este producto.

Límites de exposición:

Los usuarios profesionales quedan cubiertos a las normas de la legislación medioambiental relativa a máximas concentraciones de exposición. Consulte los límites laborales a arriba.

Iniciativa técnica:

La formación de vapor se debe mantener al mínimo y por debajo de los valores del límite de corriente (ver arriba). Se recomienda instalar un sistema de extracción local si el flujo de aire normal en la sala de trabajo no es suficiente. Asegúrese de que los limpiadores de ojos y las duchas de emergencia estén claramente indicadas. Tome precauciones estándar durante el uso de este producto.Evite la inhalación de vapores.

▼*Disposiciones higiénicas:*
Lavarse las manos después de su uso.

Disposiciones para limitar la exposición del entorno:
No tiene requisitos específicos.

Medidas de protección individual, tales como equipos de protección personal

General:
Solamente utilizar equipos de protección con la marca CE.

Conducto respiratorio:

Tipo	Clase	Color	Normas	
No se requiere ninguna en especial en condiciones normales de uso.				

Piel y cuerpo:

Recomendado	Tipo/Categoría	Normas	
No se requiere ninguna en especial en condiciones normales de uso.	-	-	

Manos:

La situación de trabajo	Material	Espesura minima de capa (mm)	Tiempo de penetración (min.)	Normas	
En caso de exposición prolongada o de altas concentraciones	No se requiere ninguna en especial en condiciones normales de uso	-	-	-	
	Nitril	0.35			

Ojos:

La situación de trabajo	Tipo	Normas	
	No se requiere ninguna en especial en condiciones normales de uso.	-	
En caso de exposición prolongada o de altas concentraciones	Use gafas de seguridad con protección lateral.	EN166	

SECCIÓN 9. PROPIEDADES FÍSICAS Y QUÍMICAS

9.1. Información sobre propiedades físicas y químicas básicas

Condición física:
Líquido

▼*Color:*
Incoloro

Olor / Umbral olfativo (ppm):
Característico

pH:
ca. 9.0

Densidad (g/cm³):
1,04 (20 °C)

Viscosidad cinemática:
No se dispone de datos.

Características de las partículas:
No se aplica a los líquidos.

Cambio de estado y vapores

Punto de fusión/punto de congelación (°C):
No se dispone de datos.

El punto o intervalo/reblandecimiento (°C):
No se aplica a los líquidos.

Punto de ebullición (°C):
No se dispone de datos.

Presión del vapor:
No se dispone de datos.

Densidad de vapor relativa:
No se dispone de datos.

Temperatura de descomposición (°C):
No se dispone de datos.

Datos de riesgo de incendio y explosión

Punto de ignición (°C):
No se dispone de datos.

Inflamabilidad (°C):
No se dispone de datos.

Temperatura de auto-inflamación (°C):
No se dispone de datos.

Límites de explosión (% v/v):
No se dispone de datos.

Solubilidad

Solubilidad en agua:
Completamente soluble

coeficiente n-octanol/agua (LogKow):
No se dispone de datos.

Solubilidad en grasa (g/L):
No se dispone de datos.

9.2. Otros datos

Otros parámetros físicos y químicos:
No se dispone de datos.

Propiedades oxidantes:
No se dispone de datos.

SECCIÓN 10. ESTABILIDAD Y REACTIVIDAD

10.1. Reactividad
No se dispone de datos.

10.2. Estabilidad química
El producto es estable bajo las condiciones indicadas en la sección 7 "Manipulación y almacenamiento".

10.3. Posibilidad de reacciones peligrosas
Ningunos conocidos.

10.4. Condiciones que deben evitarse
Ningunos conocidos.

10.5. Materiales incompatibles
Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

10.6. Productos de descomposición peligrosos
En condiciones normales de almacenamiento y uso, no se deben formar productos de descomposición peligrosos.

SECCIÓN 11. INFORMACIÓN TOXICOLÓGICA

11.1. Información sobre las clases de peligro definidas en el Reglamento (CE) n.° 1272/2008

Toxicidad aguda

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 401
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	>5.000 mg/kg

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 402
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2.000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Especies:	Rata
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2000 mg/kg

Producto / ingrediente	2-fenoxietanol
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	1840 mg/kg

Producto / ingrediente	2-fenoxietanol
Especies:	Conejo
Vía de exposición:	Dérmico
Resultado:	>5000 mg/kg

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Corrosión o irritación cutáneas

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 404
Especies:	Cobayo
Resultado:	Se observan efectos adversos (Irritante)

Producto / ingrediente	2-fenoxietanol
Resultado:	Se observan efectos adversos (Corrosivo)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Lesiones o irritación ocular graves

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 404
Especies:	Conejo
Resultado:	Se observan efectos adversos (Ligeramente irritante)

Producto / ingrediente	2-fenoxietanol
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización respiratoria

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización cutánea

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Mutagenicidad en células germinales

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Carcinogenicidad

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad para la reproducción

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad específica en determinados órganos (STOT) – exposición única

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad específica en determinados órganos (STOT) – exposición repetida

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Peligro de aspiración

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

11.2. Información sobre otros peligros

Efectos a largo plazo

Ningunos conocidos.

Propiedades de alteración endocrina

Esta mezcla/este producto no contiene ninguna sustancia que se considere que tenga efectos disruptores sobre el sistema endocrino en relación con la salud.

Otros datos

2,2',2''-nitrilotriethanol ha sido clasificado por IARC como grupo 3.

SECCIÓN 12. INFORMACIÓN ECOLÓGICA

12.1. Toxicidad

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 203
Especies:	Pez, Pimephales promelas
Prueba:	CL50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 202
Especies:	Crustáceo, Daphnia magna
Prueba:	CE50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 201
Especies:	Andere waterorganismen, Desmodesmus subspicatus
Prueba:	CE50
Resultado:	>1-10 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 209
Especies:	Pseudomonas putida
Compartimento medioambiental:	Planta de fango activada
Prueba:	EC0
Resultado:	>100 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 210
Especies:	Pez
Prueba:	NOEC
Resultado:	>0,1-1 mg/L

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Método de ensayo:	OCDE 211
Especies:	Crustáceo, Daphnia magna
Prueba:	NOEC
Resultado:	>0,1-1 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 201
Especies:	Alga
Compartimento medioambiental:	Agua dulce
Duración:	72 horas
Prueba:	CE50
Resultado:	410 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 203
Especies:	Pez
Compartimento medioambiental:	Agua dulce
Duración:	96 horas
Prueba:	CL50
Resultado:	2,9 mg/L

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Método de ensayo:	OCDE 201
Especies:	Alga
Compartimento medioambiental:	Agua dulce
Duración:	72 horas
Prueba:	NOEC
Resultado:	4,9 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Pez
Duración:	96 horas
Prueba:	CL50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Alga
Duración:	72 horas
Prueba:	ErC50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Daphnia magna
Duración:	48 horas
Prueba:	CE50
Resultado:	>100 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Pez
Prueba:	NOEC
Resultado:	23 mg/L

Producto / ingrediente	2-fenoxietanol
Especies:	Andere waterorganismen
Duración:	30 minutes
Prueba:	CE50
Resultado:	>1000 mg/L

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

12.2. Persistencia y degradabilidad

Producto / ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusión:	Fácil biodegradabilidad

Producto / ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusión:	Fácil biodegradabilidad

Producto / ingrediente	2-fenoxietanol
Resultado:	>70
Conclusión:	Fácil biodegradabilidad
Prueba:	OCDE 301 A

El tensioactivo(s) contenido(s) en esta preparación cumple(n) con el criterio de biodegradabilidad estipulado en el Reglamento (CE) nº 648/2004 sobre detergentes. Los datos para justificar esta afirmación están a disposición de las autoridades competentes de los Estados Miembros y les serán mostrados bajo su requerimiento directo o bajo requerimiento de un productor de detergentes.

12.3. Potencial de bioacumulación

Producto / ingrediente	2-fenoxietanol
BCF:	0.349
LogKow:	1.2

Conclusión: -

12.4. Movilidad en el suelo
No se dispone de datos.

12.5. Resultados de la valoración PBT y mPmB
No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.

12.6. Propiedades de alteración endocrina
Esta mezcla/este producto no contiene ninguna sustancia que se considere que tenga efectos disruptores sobre el sistema endocrino en relación con el medio ambiente.

12.7. Otros efectos adversos
Ningunos conocidos.

SECCIÓN 13. CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN

13.1. Métodos para el tratamiento de residuos
El producto no está bajo las normas de residuos peligrosos.
Reglamento (UE) n° 1357/2014 de la Comisión de 18 de diciembre de 2014 sobre los residuos.
Ley 22/2011, de 28 de julio, de Residuos y suelos contaminados.
Ley 11/1997, de 24 de abril, de envases y residuos de envases y Reglamento que la desarrolla, R.D. 782/1998, de 30 de abril.
Orden MAM 304/2002, de 8 de febrero, por la que se publican las operaciones de valorización y eliminación de residuos y la lista europea de residuos.

Código de residuos:
20 01 30 Detergentes distintos de los especificados en el código 20 01 29

Contenedor contaminado
Los embalajes con restos del producto deben eliminarse siguiendo el mismo procedimiento que el resto del producto.

SECCIÓN 14. INFORMACIÓN RELATIVA AL TRANSPORTE

	14.1 ONU	14.2 Designación oficial de transporte	14.3 Clase(s) de peligro	14.4 PG*	14.5. Env**	Otra información :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupo de embalaje

** Peligros para el medio ambiente

Otros
Productos no peligrosos de conformidad con el ADR, IATA y el IMDG.

14.6. Precauciones particulares para los usuarios
No aplicable.

14.7. Transporte marítimo a granel con arreglo a los instrumentos de la OMI
No se dispone de datos.

SECCIÓN 15. INFORMACIÓN REGLAMENTARIA

15.1. Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

Limitaciones de uso:
Reservado exclusivamente a usuarios profesionales.

Requisitos de formación específica:
No tiene requisitos específicos.

SEVESO - Categorías de peligro / Sustancias peligrosas nominadas:
No aplicable.

Etiquetado del contenido según el Reglamento de Detergentes 648/2004:

>15% - <30%
· Tensioactivos no iónicos
< 5%
· Tensioactivos anfotéricos
· Tensioactivos aniónicos
· Conservantes (PHENOXYETHANOL)

Otros:
El tensioactivo(s) contenido(s) en esta preparación cumple(n) con el criterio de biodegradabilidad estipulado en el Reglamento (CE) nº 648/2004 sobre detergentes. Los datos para justificar esta afirmación están a disposición de las autoridades competentes de los Estados Miembros y les serán mostrados bajo su requerimiento directo o bajo requerimiento de un productor de detergentes.

Fuentes:
Reglamento (CE) n° 648/2004 del Parlamento Europeo y del Consejo de 31 de marzo de 2004, sobre detergentes.
Reglamento (UE) n° 1357/2014 de la Comisión de 18 de diciembre de 2014 sobre los residuos.
Reglamento (CE) n° 1272/2008 del Parlamento Europeo y del Consejo de 16 de diciembre de 2008 sobre clasificación, etiquetado y envasado de sustancias y mezclas (CLP).
Reglamento (CE) n° 1907/2006 del Parlamento Europeo y del Consejo, de 18 de diciembre de 2006 , relativo al registro, la evaluación, la autorización y la restricción de las sustancias y preparados químicos (REACH).

15.2. Evaluación de la seguridad química
No

SECCIÓN 16. OTRA INFORMACIÓN

Redacción completa de las frases H descrita en la sección 3
H302, Nocivo en caso de ingestión.
H315, Provoca irritación cutánea.
H318, Provoca lesiones oculares graves.
H319, Provoca irritación ocular grave.
H335, Puede irritar las vías respiratorias.
H412, Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Abreviaturas y acrónimos
ADN = Acuerdo Europeo Relativo al Transporte Internacional de Mercancías Peligrosas por Vía Navegable Interior
ADR = Acuerdo Europeo sobre el Transporte Internacional de Mercancias Peligrosas por Carretera
ETA = Estimación de Toxicidad Aguda
CAS = Servicio de Resúmenes Químicos
CE = Conformité Européenne (De Conformidad Europea)
CLP = Reglamento sobre Clasificación, Etiquetado y Envasado [Reglamento (CE) No 1272/2008]
CLP CER = Catálogo Europeo de Residuos
COV = Compuestos Orgánicos Volátiles
DMEL = Nivel de Efecto Mínimo Derivado
DNEL = Nivel sin efecto derivado
EINECS = Inventario Europeo de Sustancias Químicas Existentes Comercializadas
EE = Escenarios de Exposición Indicación
EUH = Indicación de Peligro específica del
EuPCS = Sistema Europeo de Clasificación de Productos
FBC = Factor de Bioconcentración
IARC = Agência Internacional de Pesquisa em Câncer
IATA = Asociación de Transporte Aéreo Internacional

IBC = Contenedor Intermedio para Productos a Granel
IMDG = Código Marítimo Internacional de Mercancías Peligrosas
ISQ = Informe sobre la Seguridad Química
Log Kow = logaritmo del coeficiente de reparto octanol/agua
MARPOL = Convenio Internacional para Prevenir la Contaminación por los Buques, 1973 con el Protocolo de 1978. ("Marpol" = polución marina)
mPmB = Muy Persistente y Muy Bioacumulativa
OCDE = Organización de Cooperación y Desarrollo Económico
ONU = Organización de las Naciones Unidas
PBT = Persistente, Bioacumulativo y Tóxico
PCG = Potencial de calentamiento global
PNEC = Concentración Prevista Sin Efecto
RID = Reglamento de Transporte Internacional de Mercancías Peligrosas por Ferrocarril
RRN = Número de Registro REACH
SCL = Límite de concentración específico (LCE).
SEP = Sustancia Extremadamente Preocupante
SGA = Sistema Globalmente Armonizado de Clasificación y Etiquetado de Productos Químicos
STOT-RE = Toxicidad Específica en Determinados Órganos - Exposiciones Repetidas
STOT-SE = Toxicidad Específica en Determinados Órganos - Exposición Única
UVCB = Significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos
VLA-ED = Promedio ponderado por el tiempo
VSQ = Valoración de la Seguridad Química

Otros

No aplicable.

Ficha de datos de seguridad es validada por

Quality & Compliance

Otros

Las modificaciones en relación a la presente revisión (primera cifra en la Versión FDS, véase sección 1) de esta hoja de datos de seguridad se marcan con un triángulo.
La información que contiene esta hoja de la ficha de datos de seguridad se aplica únicamente al producto indicado en la sección 1 y no tiene por qué ser aplicable si se utiliza con otros productos.
Se recomienda entregar esta hoja de la ficha de datos de seguridad al usuario del producto. La información indicada no se puede utilizar como ficha técnica del producto.
País-idioma: ES-es

KÄYTTÖTURVALLISUUSTIEDOTE

i.2 kitchen cleaner FlexDose Ultra

KOHTA 1: AINEEN TAI SEOKSEN JA YHTIÖN TAI YRITYKSEN TUNNISTETIEDOT

1.1. Tuotetunniste

Kauppanimi:
i.2 kitchen cleaner FlexDose Ultra

1.2. Aineen tai seoksen merkitykselliset tunnistetut käytöt ja käytöt, joita ei suositella

Aineen tai seoksen merkitykselliset tunnistetut käyttökohteet:
Pesu- ja puhdistusaineet (myös liuotinpohjaiset)
Vain ammattikäyttöön.

Käytöt, joita ei suositella:
Ei tunneta.

1.3. Käyttöturvallisuustiedotteen toimittajan tiedot

Yrityksen nimi ja osoite:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Sähköpostiosoite:
info@hygeniq.com

Tarkistettu:
5.8.2025

KTT:n versio:
2.0

Edellinen päiväys:
16.7.2025 (2.0)

1.4. Hätäpuhelinnumero

HUS Myrkytystietokeskus 24 h/vrk, puh. 0800 147 111.
Myrkytystietokeskus/HUS, Tukholmankatu 17, 00029 HUS (Helsinki)
Ks. ensiaputoimenpiteet kohta 4.

KOHTA 2: VAARAN YKSILÖINTI

2.1. Aineen tai seoksen luokitus

Ei luokiteltu asetuksen (EY) nro 1272/2008 (CLP) mukaan.

2.2. Merkinnät

Varoitusmerkit:
Ei sovellettavissa.

Huomiosana:
Ei sovellettavissa.

Vaaralausekkeet:
Ei sovellettavissa.

Turvalausekkeet:

Yleiset:
-

Ennaltaehkäisy:
-

Pelastustoimenpiteet:
-

Varastointi:
-

Jätteiden käsittely:
-

Vaaralliset aineet:
Ei sisällä ilmoitusvelvollisuutta koskevia aineita

▼*Täydentävät tiedot:*
EUH210, Käyttöturvallisuustiedote toimitetaan pyynnöstä.
Ei sovellettavissa.

Sisältöä koskevat merkinnät (sovellettava kuluttajille myytävien pesuaineiden pakkauksissa):

>15% - <30%
· Ionittomat pinta-aktiiviset aineet
< 5%
· Amfoteeriset pinta-aktiiviset aineet
· Anioniset pinta-aktiiviset aineet
· Säilöntäaineet (PHENOXYETHANOL)

2.3. Muut vaarat

Muuta:
Tämä seos/tuote ei sisällä aineita, jotka täyttäisivät PBT- ja/tai vPvB-aineiksi luokiteltavien aineiden kriteerit. Tuote ei sisällä aineita, joilla on tunnistettu olevan hormonitoimintaa häiritseviä ominaisuuksia komission delegoidussa asetuksessa (EU) 2017/2100 tai komission asetuksessa (EU) 2023/707 vahvistettujen kriteerien mukaisesti.

KOHTA 3: KOOSTUMUS JA TIEDOT AINEOSISTA

3.1. Aineet
Ei sovellettavissa. Tämä tuote on seos.

3.2. Seokset

Tuote/aineosa	Tunnisteet	Pitoisuus	Luokitus	Huomautukset
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS: 147170-44-3 EY: 604-575-4 REACH-rek.nro.: Indeksinro.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS: 85536-23-8 EY: REACH-rek.nro.: 01-2119565130-50-0000 Indeksinro.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-Fenoksietanoli	CAS: 122-99-6 EY: 204-589-7 REACH-rek.nro.: 01-2119488943-21 Indeksinro.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

H-lausekkeet annetaan täydessä sanamuodossaan kohdassa 16. Työhygieeniset raja-arvot annetaan kohdassa 8, mikäli ne ovat saatavilla.

Muut tiedot

[19] UVCB = Koostumukseltaan tuntematon tai vaihteleva aine, kompleksi reaktiotuote tai biologinen materiaali.

KOHTA 4: ENSIAPUTOIMENPITEET

4.1. Ensiaputoimenpiteiden kuvaus

Yleistä:

Onnettomuustilanne: Ota yhteys lääkäriin tai ensiapuun - ota mukaan etiketti tai tämä käyttöturvallisuustiedote. Jos oireet jatkuvat tai loukkaantuneen tilasta ei ole varmuutta, hakeudu lääkärin hoitoon. Älä koskaan anna tajuttomalle vettä tai muuta juotavaa.

▼*Hengitettynä:*

Jos ilmenee epämukavuutta: siirrä altistunut henkilö raittiiseen ilmaan.

Kosketus ihoon:

Jos ilmenee ärsytystä: huuhtele vedellä. Jos ärsytys jatkuu: hakeudu lääkärin hoitoon.

▼*Kosketus silmiin:*

Huuhtele varovasti haalealla vedellä. Poista mahdolliset piilolinssit, jos sen voi tehdä helposti. Jatka huuhtelua. Jos silmien ärsytys tai epämukavuus jatkuu, hakeudu lääkärin hoitoon.

▼*Nieltynä:*

Huuhtele suu ja juo runsaasti vettä. Jos epämukavuuden tunne jatkuu: hakeudu lääkärin hoitoon ja näytä tämä käyttöturvallisuustiedote.

Palovamma:

Ei sovellettavissa.

4.2. Tärkeimmät oireet ja vaikutukset, sekä välittömät että viivästyneet

Ei tunneta.

4.3. Mahdollisesti tarvittavaa välitöntä lääketieteellistä apua ja erityishoitoa koskevat ohjeet

Hoida oireiden mukaisesti.

Tietoja lääkärille

Ota mukaan tämä käyttöturvallisuustiedote tai tuotteen etiketti.

KOHTA 5: PALONTORJUNTATOIMENPITEET

5.1. Sammutusaineet

Ei sovellettavissa.

5.2. Aineesta tai seoksesta johtuvat erityiset vaarat

Tulipalo muodostaa paksua savua. Altistuminen hajoamistuotteille voi aiheuttaa vaaran terveydelle. Tulelle altistuneet suljetut säiliöt jäähdytetään vedellä. Sammutusvesi ei saa valua viemäriverkostoon eikä vesistöön.
Jos tuote altistuu korkeille lämpötiloille esim. tulipalon yhteydessä, se voi muodostaa vaarallisia hajoamistuotteita.
Niitä ovat:
Hiilen oksidit (CO / CO2)

5.3. Palontorjuntaa koskevat ohjeet

Ei erityisvaatimuksia.

KOHTA 6: TOIMENPITEET ONNETTOMUUSPÄÄSTÖISSÄ

6.1. Varotoimenpiteet, henkilönsuojaimet ja menettely hätätilanteessa
Huolehdi asianmukaisesta ilmastoinnista erityisesti ahtaissa tiloissa.
Saastuneet alueet voivat olla liukkaita

6.2. Ympäristöön kohdistuvat varotoimet
Vältä päästöjä järviin, jokiin, viemäriverkostoon jne.
Pidä ulkopuoliset henkilöt poissa vuodon läheltä

6.3. Suojarakenteita ja puhdistusta koskevat menetelmät ja -välineet
Käytä palamattomien materiaalien keräämiseen hiekkaa, piimaata tai yleisiä imeytysaineita ja säilö materiaali säiliöön hävittämistä varten, paikallisten määräysten mukaisesti.
Käytä puhdistamiseen tavallisia puhdistusaineita mahdollisuuksien mukaan. Vältä liuottimien käyttöä.

6.4. Viittaukset muihin kohtiin
Katso tietoja jätteen käsittelystä kohdasta 13 "Jätteiden käsittelyyn liittyvät näkökohdat".
Katso suojaustoimenpiteet kohdasta 8 "Altistumisen ehkäiseminen ja henkilönsuojaimet".

KOHTA 7: KÄSITTELY JA VARASTOINTI

7.1. Turvallisen käsittelyn edellyttämät toimenpiteet
Tupakointi, syöminen ja juominen ei ole sallittua työtiloissa.
Katso tietoja henkilökohtaisista suojaimista kohdasta 8 "Altistumisen ehkäiseminen ja henkilönsuojaimet".

7.2. ▼Turvallisen varastoinnin edellyttämät olosuhteet, mukaan luettuina yhteensopimattomuudet

Soveltuvat pakkaustavat:
Säilytä alkuperäispakkauksessa.

Varastointiolosuhteet:
Kuiva, viileä ja hyvin ilmastoitu

Yhteensopimattomat materiaalit:
Vahvat hapot, vahvat emäkset, vahvat hapettimet ja vahvat pelkistimet.

7.3. Erityinen loppukäyttö
Tätä tuotetta tulee käyttää vain kohdassa 1.2 kuvatulla tavalla.

KOHTA 8: ALTISTUMISEN EHKÄISEMINEN JA HENKILÖNSUOJAIMET

8.1. Valvontaa koskevat muuttujat
2-Fenoksietanoli
HTP-arvot (8 h) (ppm): 20
HTP-arvot (8 h) (mg/m³): 110
HTP-arvot (15 min) (ppm): 50
HTP-arvot (15 min) (mg/m³): 290
Huomautus:
Iho = Imeytyminen ihon kautta on mahdollista.

2,2',2''-nitrilotriethanol
HTP-arvot (8 h) (mg/m³): 5

Sosiaali- ja terveysministeriön asetus haitallisiksi tunnetuista pitoisuuksista (55/2025).

DNEL
2-Fenoksietanoli

Kesto:	Altistumisreitti:	DNEL:

Pitkäaikainen – paikalliset vaikutukset - työntekijät	Hengitettynä	5,7 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset	Hengitettynä	2,41 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Hengitettynä	5,7 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Hengitettynä	8.07 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset	Ihon kautta	10,42 mg/kg
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Ihon kautta	34.72 mg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Ihon kautta	20,83 mg/kg
Pitkäaikainen	Suun kautta	9,23 mg/kg

2,2',2''-nitrilotriethanol

Kesto:	**Altistumisreitti:**	**DNEL:**
Pitkäaikainen – paikalliset vaikutukset - työntekijät	Hengitettynä	1,25 mg/m³
Pitkäaikainen – paikalliset vaikutukset - työntekijät	Hengitettynä	5 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Hengitettynä	5 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Hengitettynä	1.25 mg/m³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Ihon kautta	6.3 mg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Ihon kautta	3.1 mg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Suun kautta	3.1 mg/kg/päivä

PNEC

2-Fenoksietanoli

Altistumisreitti:	**Altistumisen kesto:**	**PNEC:**
Jäteveden käsittelylaitos		24,8 mg/L
Jäteveden käsittelylaitos	Yksittäinen	36 mg/L
Maa		1,26 mg/kg
Makeanveden sedimentti		7.2366 mg/kg
Makeavesi		0,943 mg/L
Meriveden sedimentti		0,7237 mg/kg
Merivesi		0.0943 mg/L

2,2',2''-nitrilotriethanol

Altistumisreitti:	**Altistumisen kesto:**	**PNEC:**
Jaksottainen päästö (makeavesi)		5.12 mg/L
Jäteveden käsittelylaitos		10 mg/L
Maa		151 µg/kg
Makeanveden sedimentti		1.7 mg/kg
Makeavesi		320 µg/L
Meriveden sedimentti		170 µg/kg
Merivesi		32 µg/L

8.2. ▼Altistumisen ehkäiseminen

Raja-arvojen noudattamista on seurattava säännöllisesti.

Yleiset suositukset:

Tupakointi, syöminen ja juominen ei ole sallittua työtiloissa.

Altistumisskenaariot:

Tälle tuotteelle ei ole annettu altistumisskenaarioita.

Työperäisen altistumisen raja-arvot:

Ammattikäyttäjiä koskevat työympäristölainsäädännön säännökset altistumisen enimmäispitoisuuksista. Kts. työhygieeniset raja-arvot edellä.

Asianmukaiset tekniset torjuntatoimenpiteet:
Höyryn muodostuminen tulee minimoida, ja höyryn pitoisuus tulee pitää nykyisten raja-arvojen alapuolella (kts. edellä). Käytä tarvittaessa kohdepoistoa, mikäli ilmanvaihto työpaikalla ei ole riittävä. Huolehdi siitä, että silmähuuhtelupaikat ja hätäsuihkut on merkitty näkyvästi.
Noudata tavanomaisia varotoimenpiteitä tuotetta käytettäessä. Vältä höyryjen hengittämistä.

▼*Hygieniatoimenpiteet:*
Pese kädet käytön jälkeen.

Varotoimet ympäristöaltistuksen rajoittamiseksi:
Ei erityisvaatimuksia.

Henkilökohtaiset suojatoimenpiteet, kuten henkilönsuojaimet

Yleistä:
Käytä vain CE-merkinnällä varustettuja suojavarusteita.

Hengityksensuojaus:

Tyyppi	Luokka	Väri	Standardit	
Moottoroitu raitisilmalaite				

Ihon suojaus:

Suositus	Tyyppi/Kategoria	Standardit	
Ei erityisvaatimuksia normaalissa käytössä.	-	-	

Käsien suojaus:

Työolosuhteet	Materiaali	Paksuus (mm)	Läpäisyaika (min.)	Standardit	
Pitkäaikaisen altistumisen tai korkeiden pitoisuuksien yhteydessä	Ei erityisvaatimuksia normaalissa käytössä.	-	-	-	
	Nitril	0.35			

Silmien ja kasvojen suojaus:

Työolosuhteet	Tyyppi	Standardit	
	Ei erityisvaatimuksia normaalissa käytössä.	-	
Pitkäaikaisen altistumisen tai korkeiden pitoisuuksien yhteydessä	Käytä suojalaseja, joissa on sivusuojat.	EN166	

KOHTA 9: FYSIKAALISET JA KEMIALLISET OMINAISUUDET

9.1. Fysikaalisia ja kemiallisia perusominaisuuksia koskevat tiedot

Olomuoto:
Nestemäinen

▼*Väri:*
Väritön

Haju / Hajukynnys (ppm):
Ominainen haju

pH:

ca. 9.0

Tiheys (g/cm³):
1,04 (20 °C)

Kinemaattinen viskositeetti:
Tietoja ei saatavilla.

Hiukkasten ominaisuudet:
Ei koske nesteitä.

Tilan muutos ja höyryt

Sulamis / jäätymispiste (°C):
Tietoja ei saatavilla.

Pehmenemispiste tai -alue (°C):
Ei koske nesteitä.

Kiehumispiste (°C):
Tietoja ei saatavilla.

Höyrynpaine:
Tietoja ei saatavilla.

Höyryn suhteellinen tiheys:
Tietoja ei saatavilla.

Hajoamislämpötila (°C):
Tietoja ei saatavilla.

Palo-ja räjähdysvaara

Leimahduspiste (°C):
Tietoja ei saatavilla.

Syttyvyys (°C):
Tietoja ei saatavilla.

Itsesyttymislämpötila (°C):
Tietoja ei saatavilla.

Räjähdysrajat (% v/v):
Tietoja ei saatavilla.

Liukoisuus

Vesiliukoisuus:
Täysin liukeneva

Jakautumiskerroin: n-oktanoli/vesi (LogKow):
Tietoja ei saatavilla.

Rasvaliukoisuus (g/L):
Tietoja ei saatavilla.

9.2. Muut tiedot

Muut fysikaaliset ja kemialliset parametrit:
Tietoja ei saatavilla.

Hapettavat ominaisuudet:
Tietoja ei saatavilla.

KOHTA 10: STABIILISUUS JA REAKTIIVISUUS

10.1. Reaktiivisuus
Tietoja ei saatavilla.

10.2. Kemiallinen stabiilisuus
Tuote on stabiili olosuhteissa, jotka kerrotaan kohdassa 7 "Käsittely ja varastointi".

10.3. Vaarallisten reaktioiden mahdollisuus

Ei tunneta.

10.4. Vältettävät olosuhteet
Ei tunneta.

10.5. Yhteensopimattomat materiaalit
Vahvat hapot, vahvat emäkset, vahvat hapettimet ja vahvat pelkistimet.

10.6. Vaaralliset hajoamistuotteet
Normaalissa säilytyksessä ja käytössä hajoamistuotteita ei pitäisi syntyä.

KOHTA 11: MYRKYLLISYYTEEN LIITTYVÄT TIEDOT

11.1. Tiedot asetuksessa (EY) N:o 1272/2008 määritellyistä vaaraluokista

Välitön myrkyllisyys

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 401
Laji:	Rotta
Altistumisreitti:	Suun kautta
Testi:	LD50
Tulos:	>5.000 mg/kg

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 402
Laji:	Rotta
Altistumisreitti:	Ihon kautta
Testi:	LD50
Tulos:	>2.000 mg/kg

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Laji:	Rotta
Altistumisreitti:	Ihon kautta
Testi:	LD50
Tulos:	>2000 mg/kg

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Laji:	Rotta
Altistumisreitti:	Suun kautta
Testi:	LD50
Tulos:	>2000 mg/kg

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Laji:	Rotta
Altistumisreitti:	Ihon kautta
Testi:	LD50
Tulos:	>2000 mg/kg

Tuote/aineosa	2-Fenoksietanoli
Laji:	Rotta
Altistumisreitti:	Suun kautta
Testi:	LD50
Tulos:	1840 mg/kg

Tuote/aineosa	2-Fenoksietanoli
Laji:	Kani
Altistumisreitti:	Ihon kautta
Tulos:	>5000 mg/kg

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Ihosyövyttävyys/ihoärsytys

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testimenetelmä:	OECD 404
Laji:	Marsu
Tulos:	Havaittu haittavaikutuksia (Ärsyttävä)

Tuote/aineosa	2-Fenoksietanoli
Tulos:	Havaittu haittavaikutuksia (Syövyttävä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Vakava silmävaurio/silmä-ärsytys

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Tulos:	Havaittu haittavaikutuksia (Vaurioittaa vakavasti silmiä)

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 404
Laji:	Kani
Tulos:	Havaittu haittavaikutuksia (Hieman ärsyttävä)

Tuote/aineosa	2-Fenoksietanoli
Tulos:	Havaittu haittavaikutuksia (Vaurioittaa vakavasti silmiä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Hengitysteiden herkistyminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Ihon herkistyminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Sukusolujen perimää vaurioittavat vaikutukset

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Syöpää aiheuttavat vaikutukset

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Lisääntymiselle vaaralliset vaikutukset

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Elinkohtainen myrkyllisyys – kerta-altistuminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Elinkohtainen myrkyllisyys – toistuva altistuminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Aspiraatiovaara

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

11.2. Tiedot muista vaaroista

Pitkäaikaisvaikutukset

Ei tunneta.

Hormonitoimintaa häiritsevät ominaisuudet

Tämä seos/tuote ei sisällä aineita, joilla katsotaan olevan hormonitoimintaa häiritseviä ominaisuuksia terveydelle.

Muut tiedot

2,2',2''-nitrilotriethanol: IARC on luokitellut aineen ryhmään 3.

KOHTA 12: TIEDOT VAARALLISUUDESTA YMPÄRISTÖLLE

12.1. Myrkyllisyys

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 203

Laji:	Kala, Pimephales promelas
Testi:	LC50
Tulos:	>1-10 mg/L

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 202
Laji:	Äyriäinen, Daphnia magna
Testi:	EC50
Tulos:	>1-10 mg/L

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 201
Laji:	Andere waterorganismen, Desmodesmus subspicatus
Testi:	EC50
Tulos:	>1-10 mg/L

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 209
Laji:	Pseudomonas putida
Ympäristön osa-alue:	Aktiivilietelaitos
Testi:	EC0
Tulos:	>100 mg/L

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 210
Laji:	Kala
Testi:	NOEC
Tulos:	>0,1-1 mg/L

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testimenetelmä:	OECD 211
Laji:	Äyriäinen, Daphnia magna
Testi:	NOEC
Tulos:	>0,1-1 mg/L

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testimenetelmä:	OECD 201
Laji:	Levä
Ympäristön osa-alue:	Makeavesi
Kesto:	72 h
Testi:	EC50
Tulos:	410 mg/L

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testimenetelmä:	OECD 203
Laji:	Kala
Ympäristön osa-alue:	Makeavesi
Kesto:	96 h
Testi:	LC50
Tulos:	2,9 mg/L

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testimenetelmä:	OECD 201
Laji:	Levä
Ympäristön osa-alue:	Makeavesi
Kesto:	72 h
Testi:	NOEC

Tulos:	4,9 mg/L

Tuote/aineosa	2-Fenoksietanoli
Laji:	Kala
Kesto:	96 h
Testi:	LC50
Tulos:	>100 mg/L

Tuote/aineosa	2-Fenoksietanoli
Laji:	Levä
Kesto:	72 h
Testi:	ErC50
Tulos:	>100 mg/L

Tuote/aineosa	2-Fenoksietanoli
Laji:	Daphnia magna
Kesto:	48 h
Testi:	EC50
Tulos:	>100 mg/L

Tuote/aineosa	2-Fenoksietanoli
Laji:	Kala
Testi:	NOEC
Tulos:	23 mg/L

Tuote/aineosa	2-Fenoksietanoli
Laji:	Andere waterorganismen
Kesto:	30 minutes
Testi:	EC50
Tulos:	>1000 mg/L

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

12.2. Pysyvyys ja hajoavuus

Tuote/aineosa	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Johtopäätös:	Nopea biohajoavuus

Tuote/aineosa	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Johtopäätös:	Nopea biohajoavuus

Tuote/aineosa	2-Fenoksietanoli
Tulos:	>70
Johtopäätös:	Nopea biohajoavuus
Testi:	OECD 301 A

Valmisteen sisältämä pinta-aktiivinen aine (aineet) täyttää pesuaineista annetun (EY):n asetuksen N:o 648/2004 mukaiset biologisen hajoavuuden kriteerit. Tiedot, jotka tukevat edellistä väittämää, pidetään jäsenmaiden toimivaltaisten viranomaisten saatavilla ja ne toimitetaan heille heidän pyynnöstään tai pesuainevalmistajan pyynnöstä.

12.3. Biokertyvyys

Tuote/aineosa	2-Fenoksietanoli
Biologinen kertymistekijä	0.349
LogKow:	1.2
Johtopäätös:	-

12.4. Liikkuvuus maaperässä

Tietoja ei saatavilla.

12.5. PBT- ja vPvB-arvioinnin tulokset

Tämä seos/tuote ei sisällä aineita, jotka täyttäisivät PBT- ja/tai vPvB-aineiksi luokiteltavien aineiden kriteerit.

12.6. Hormonitoimintaa häiritsevät ominaisuudet
Tämä seos/tuote ei sisällä aineita, joilla katsotaan olevan hormonitoimintaa häiritseviä ominaisuuksia ympäristössä.

12.7. Muut haitalliset vaikutukset
Ei tunneta.

KOHTA 13: JÄTTEIDEN KÄSITTELYYN LIITTYVÄT NÄKÖKOHDAT

13.1. Jätteiden käsittelymenetelmät
Tuote ei kuulu vaarallisia jätteitä koskevan lainsäädännön piiriin.
Komission asetus (EU) N:o 1357/2014 jätteistä ja tiettyjen direktiivien kumoamisesta annetun Euroopan parlamentin ja neuvoston direktiivin 2008/98/EY liitteen III korvaamisesta.

Eurooppalainen jätekoodi:
20 01 30 Muut kuin nimikkeessä 20 01 29 mainitut pesu- ja puhdistusaineet

Saastunut pakkaus
Pakkaukset, joissa on tuotteen jäämiä, hävitetään samojen määräysten mukaan kuin tuote.

KOHTA 14: KULJETUSTIEDOT

	14.1 YK-nro	14.2 Kuljetuksessa käytettävä virallinen nimi	14.3 Kuljetuksen vaaraluokat	14.4 PG*	14.5 Env**	Muut tiedot:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pakkausryhmä

** Ympäristövaarat

Muuta
Ei vaarallinen tuote ADR-, IATA- ja IMDG-sääntöjen mukaan.

14.6. Erityiset varotoimet käyttäjälle
Ei sovellettavissa.

14.7. Merikuljetus irtolastina IMO:n asiakirjojen mukaisesti
Tietoja ei saatavilla.

KOHTA 15: LAINSÄÄDÄNTÖÄ KOSKEVAT TIEDOT

15.1. Nimenomaisesti ainetta tai seosta koskevat turvallisuus-, terveys- ja ympäristösäännökset tai -lainsäädäntö

Käyttörajoitukset:
Vain ammattikäyttöön.

Erityiskoulutusta koskevat vaatimukset:
Ei erityisvaatimuksia.

SEVESO - Vaarallisten aineiden kategoriat / Nimetyt vaaralliset aineet:
Ei sovellettavissa.

Sisältöä koskevat merkinnät:

>15% - <30%
· Ionittomat pinta-aktiiviset aineet
< 5%
· Amfoteeriset pinta-aktiiviset aineet
· Anioniset pinta-aktiiviset aineet

· Säilöntäaineet (PHENOXYETHANOL)

Muuta:

Valmisteen sisältämä pinta-aktiivinen aine (aineet) täyttää pesuaineista annetun (EY):n asetuksen N:o 648/2004 mukaiset biologisen hajoavuuden kriteerit. Tiedot, jotka tukevat edellistä väittämää, pidetään jäsenmaiden toimivaltaisten viranomaisten saatavilla ja ne toimitetaan heille heidän pyynnöstään tai pesuainevalmistajan pyynnöstä.

Lähteet:

Euroopan parlamentin ja neuvoston asetus (EY) N:o 648/2004 pesuaineista.
Komission asetus (EU) N:o 1357/2014 jätteistä ja tiettyjen direktiivien kumoamisesta annetun Euroopan parlamentin ja neuvoston direktiivin 2008/98/EY liitteen III korvaamisesta.
Euroopan parlamentin ja neuvoston asetus (EY) N:o 1272/2008 aineiden ja seosten luokituksesta, merkinnöistä ja pakkaamisesta (CLP).
Euroopan parlamentin ja neuvoston asetus (EY) N:o 1907/2006 kemikaalien rekisteröinnistä, arvioinnista, lupamenettelyistä ja rajoituksista (REACH).

15.2. Kemikaaliturvallisuusarviointi

Ei

KOHTA 16: MUUT TIEDOT.

Kohdassa 3 mainitut H-lausekkeet täydellisessä sanamuodossaan

H302, Haitallista nieltynä.
H315, Ärsyttää ihoa.
H318, Vaurioittaa vakavasti silmiä.
H319, Ärsyttää voimakkaasti silmiä.
H335, Saattaa aiheuttaa hengitysteiden ärsytystä.
H412, Haitallista vesieliöille, pitkäaikaisia haittavaikutuksia.

Lyhenteet

ADN = Eurooppalainen sopimus koskien vaarallisten aineiden kansainvälistä sisävesikuljetuksista
ADR = Eurooppalainen sopimus vaarallisten aineiden maantiekuljetuksista
AS = Altistumisskenaario
ATE = Akuutin myrkyllisyyden estimaatti
BCF = Biologinen kertymistekijä
CAS = Kemikaalien tunnistenumerojärjestelmä
CLP = Asetus kemikaalien luokituksesta, merkinnöistä ja pakkaamisesta [asetus (EU) No. 1272/2008]
KTA = Kemikaaliturvallisuusarviointi
KTR = Kemikaaliturvallisuusraportti
DNEL = Johdettu vaikutukseton altistumistaso
EINECS = Euroopan kaupallisessa käytössä olevien aineiden luettelo
EUH-lausekkeet = CLP-asetuksen lisävaaralausekkeet
EuPCS = Eurooppalainen tuoteluokitusjärjestelmä
EWC = Euroopan jäteluettelo
GHS = Kemikaalien yhdenmukaistettu luokitus- ja merkintäjärjestelmä
GWP = Ilmaston lämmitysvaikutuspotentiaali
HTP = Haitalliseksi tunnettu pitoisuus
IATA =Kansainvälinen ilmakuljetusliitto
IBC = Intermediate Bulk Container, IBC-kontti
IMDG = Vaarallisten aineiden merikuljetus
MARPOL = Kansainvälinen sopimusmenen pilaantumisen ehkäisemisestä 73/78, (""Marpol"" = marine pollution)
OECD = Taloudellisen yhteistyön ja kehityksen järjestö
PBT = Hitaasti hajoava, biokertyvä ja myrkyllinen
PNEC = Arvioitu vaikutukseton pitoisuus
RID = Kansainväliset rautatiekuljetusmääräykset
RRN = REACH-rekisteröintinumero
SCL = Erityinen pitoisuusraja
SVHC = Erityistä huolta aiheuttava aine
STOT-SE = Elinkohtainen myrkyllisyys - toistuva altistuminen
STOT-RE = Elinkohtainen myrkyllisyys - kerta-altistuminen

YK = Yhdistyneet kansakunnat
UVCB = Koostumukseltaan tuntematon tai vaihteleva aine, kompleksi reaktiotuote tai biologinen materiaali
VOC = Haihtuvat ogaaniset yhdisteet
vPvB = Erittäin hitaasti hajoava ja erittäin voimakkaasti biokertyvä "

Lisätietoja
Ei sovellettavissa.

Käyttöturvallisuustiedotteen on validoinut
Quality & Compliance

Muuta
Muutokset edelliseen merkittävään versioon (versionumeron ensimmäinen numero, kts. KTT:n kohta 1) merkitään sinisellä kolmiolla.
Tämän käyttöturvallisuustiedotteen tiedot koskevat vain kohdassa 1 mainittua tuotetta, eivätkä ne välttämättä koske käyttöä yhdessä muiden tuotteiden kanssa.
On suositeltavaa toimittaa tämä käyttöturvallisuustiedote tuotteen varsinaiselle käyttäjälle. Annettuja tietoja ei saa käyttää tuoteselosteena.
Maa-kieli: FI-fi

FICHE DE DONNÉES DE SÉCURITÉ

i.2 kitchen cleaner FlexDose Ultra

RUBRIQUE 1: IDENTIFICATION DE LA SUBSTANCE/DU MÉLANGE ET DE LA SOCIÉTÉ/DE L'ENTREPRISE

1.1. Identificateur de produit

Marque commerciale:
i.2 kitchen cleaner FlexDose Ultra

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:
Produits de lavage et de nettoyage (y compris produits à base de solvants)
Réservé aux utilisateurs professionnels.

Utilisations déconseillées :
Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Courriel:
info@hygeniq.com

Révision:
05/08/2025

Version de la fiche de données de sécurité:
2.0

Date de la précédente édition:
16/07/2025 (2.0)

1.4. Numéro d'appel d'urgence

ORFILA: + 33 (0)1 45 42 59 59.
Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7
Voir la rubrique 4 concernant les premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé selon le Règlement (CE) n° 1272/2008.

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:
Sans objet.

Mention d'avertissement:
Sans objet.

Mention(s) de danger:
Sans objet.

Conseil(s) de prudence:

Générales:
-

Précautions:
-

Intervention:
-

Stockage:
-

Élimination:
-

Contient:
Ne contient pas de substances dont la déclaration est obligatoire

▼*Autre étiquetage:*
EUH210, Fiche de données de sécurité disponible sur demande.
Sans objet.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents (applicable aux emballages de détergents vendus au grand public):

>15% - <30%
· Agents de surface non ioniques
< 5%
· Agents de surface amphotères
· Agents de surface anioniques
· Agent de conservation (PHENOXYETHANOL)

2.3. Autres dangers

Autre:
Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.
Ce produit ne contient aucune substance considérée comme étant un perturbateur endocrinien conformément aux critères définis dans le règlement délégué (UE) 2017/2100 ou le règlement (UE) 2023/707 de la Commission.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances
Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	N° CAS : 147170-44-3 N° CE: 604-575-4 REACH: N° index :	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	N° CAS : 85536-23-8 N° CE: REACH: 01-2119565130-50-0000 N° index :	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-phénoxyéthanol	N° CAS : 122-99-6 N° CE: 204-589-7 REACH: 01-2119488943-21 N° index : 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

[19] UVCB = substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques.

RUBRIQUE 4: PREMIERS SECOURS

4.1. Description des mesures de premiers secours

Généralités:

En cas d'accident : Contactez un médecin ou l'hôpital, apportez l'étiquette ou bien la présente fiche de données de sécurité.
En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

▼*Inhalation:*

En cas de gêne : sortez la personne à l'air frais.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

▼*Contact visuel:*

Rincer délicatement à l'eau tiède. Retirer les éventuelles lentilles de contact si cela est facile à faire. Continuer à rincer. En cas d'irritation ou de gêne oculaire persistante : consulter un médecin.

▼*Ingestion:*

Rincez la bouche abondamment et buvez de grandes quantités d'eau. En cas de gêne continue : consultez une assistance médicale et présentez cette fiche de données de sécurité.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES DE LUTTE CONTRE L'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.
Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :

Les oxydes de carbone (CO / CO2)

5.3. Conseils aux pompiers
Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DISPERSION ACCIDENTELLE

6.1. Précautions individuelles, équipement de protection et procédures d'urgence
Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement
Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.
Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage
Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.
Nettoyez autant que possible avec des produits de nettoyage ordinaires. Evitez les solvants.

6.4. Référence à d'autres rubriques
Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.
Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANIPULATION ET STOCKAGE

7.1. Précautions à prendre pour une manipulation sans danger
La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.
Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. ▼Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les compatibilités en matière de conditionnement:
Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:
Sec, frais et bien ventilé

Matières incompatibles:
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)
Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle
Le produit ne contient aucune substance énumérée dans la liste française des substances avec une limite d'exposition en milieu de travail.

DNEL
2-phénoxyéthanol

Durée :	**Voie d'exposition :**	**DNEL :**
Effets systématiques à long terme - population globale	Cutanée	20,83 mg/kg
Effets systématiques à long terme - Travailleurs	Cutanée	34.72 mg/kg/jour
Effets systémiques à long terme	Cutanée	10,42 mg/kg
Effets locaux à long terme - Travailleurs	Inhalation	5,7 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	5,7 mg/m³

Effets systématiques à long terme - Travailleurs	Inhalation	8.07 mg/m³
Effets systémiques à long terme	Inhalation	2,41 mg/m³
À long terme	Orale	9,23 mg/kg

PNEC

2-phénoxyéthanol

Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		0.0943 mg/L
Eau douce		0,943 mg/L
Installation de traitement des eaux usées		24,8 mg/L
Installation de traitement des eaux usées	Unique	36 mg/L
Sédiments en eau de marines		0,7237 mg/kg
Sédiments en eau douce		7.2366 mg/kg
Sol		1,26 mg/kg

8.2. ▼Contrôles de l'exposition

Appliquer un contrôle général pour éviter une exposition inutile.

Précautions générales:

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:

Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:

Il n'existe pas de limites d'exposition pour les substances contenues dans le produit.

Mesures techniques:

Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

▼*Mesures d'hygiène:*

Se laver les mains après utilisation.

Mesures pour la limitation de l'exposition à l'environnement:

Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:

Utilisez exclusivement des équipements de protection comportant la marque CE.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
En cas d'exposition prolongée ou de concentration élevée	Rien de spécial quand utilisé tel que prévu	-	-	-	
	Nitril	0.35			

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:
Liquide

▼*Couleur:*
Incolore

Odeur / Seuil olfactif (ppm):
Caractéristique

pH:
ca. 9.0

Densité (g/cm^3):
1,04 (20 °C)

Viscosité cinématique:
Aucune information disponible.

Caractéristiques des particules:
Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):
Aucune information disponible.

Le point/l'intervalle de ramollissement (°C):
Ne s'applique pas aux liquides.

Point d'ébullition (°C):
Aucune information disponible.

Pression de vapeur:
Aucune information disponible.

Densité de vapeur relative :
Aucune information disponible.

Température de décomposition (°C):
Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):
Aucune information disponible.

Inflammabilité (°C):
Aucune information disponible.

Température d'auto-inflammation (°C):
Aucune information disponible.

Limite d´explosivité (% v/v):
Aucune information disponible.

Solubilité

Solubilité dans l'eau:

Complètement soluble

n-octanol/coefficient d'eau (LogKow):
Aucune information disponible.

Solubilité dans la graisse (g/L):
Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:
Aucune information disponible.

Capacités oxydantes:
Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité
Aucune information disponible.

10.2. Stabilité chimique
Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses
Aucune connue.

10.4. Conditions à éviter
Aucune connue.

10.5. Matières incompatibles
Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux
Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: INFORMATIONS TOXICOLOGIQUES

11.1. Informations sur les classes de danger telles que définies dans le règlement (CE) n° 1272/2008

Toxicité aiguë

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 401
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>5.000 mg/kg

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 402
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2.000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Espèce :	Rat
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2000 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	1840 mg/kg

Produit/composant	2-phénoxyéthanol
Espèce :	Lapin
Voie d'exposition :	Cutanée
Valeur :	>5000 mg/kg

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 404
Espèce :	Cochon d'Inde
Valeur :	Effets nocifs observés (Irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Corrosif)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 404
Espèce :	Lapin
Valeur :	Effets nocifs observés (Légèrement irritant)

Produit/composant	2-phénoxyéthanol
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

11.2. Informations sur les autres dangers

Effets sur le long terme
Aucune connue.

Propriétés perturbant le système endocrinien
Ce mélange/produit ne contient aucune substance considérée comme ayant des propriétés qui provoquent des troubles hormonaux vis-à-vis de la santé.

Autres informations
Aucune connue.

RUBRIQUE 12: INFORMATIONS ÉCOLOGIQUES

12.1. Toxicité

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 203
Espèce :	Poisson, Pimephales promelas
Test :	CL50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 202
Espèce :	Crustacés, Daphnia magna
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 201
Espèce :	Andere waterorganismen, Desmodesmus subspicatus
Test :	CE50
Valeur :	>1-10 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 209
Espèce :	Pseudomonas putida
Milieu environnemental :	Installation à boue activé
Test :	EC0
Valeur :	>100 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 210
Espèce :	Poisson
Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Méthode d'essai :	OCDE 211
Espèce :	Crustacés, Daphnia magna

Test :	CSEO
Valeur :	>0,1-1 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CE50
Valeur :	410 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 203
Espèce :	Poisson
Milieu environnemental :	Eau douce
Durée :	96 heures
Test :	CL50
Valeur :	2,9 mg/L

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Méthode d'essai :	OCDE 201
Espèce :	Algues
Milieu environnemental :	Eau douce
Durée :	72 heures
Test :	CSEO
Valeur :	4,9 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Poisson
Durée :	96 heures
Test :	CL50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Algues
Durée :	72 heures
Test :	ErC50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Daphnia magna
Durée :	48 heures
Test :	CE50
Valeur :	>100 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Poisson
Test :	CSEO
Valeur :	23 mg/L

Produit/composant	2-phénoxyéthanol
Espèce :	Andere waterorganismen
Durée :	30 minutes
Test :	CE50
Valeur :	>1000 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion :	Biodégradabilité facile

Produit/composant	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion :	Biodégradabilité facile

Produit/composant	2-phénoxyéthanol
Valeur :	>70
Conclusion :	Biodégradabilité facile
Test :	OCDE 301 A

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

12.3. Potentiel de bioaccumulation

Produit/composant	2-phénoxyéthanol
BCF:	0.349
LogKow :	1.2
Conclusion :	-

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

12.6. Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient pas de composants considérés comme ayant des propriétés perturbatrices du système endocrinien

12.7. Autres effets néfastes

Aucune connue.

RUBRIQUE 13: CONSIDÉRATIONS RELATIVES À L'ÉLIMINATION

13.1. Méthodes de traitement des déchets

Le produit n'est pas concerné par la réglementation sur les déchets dangereux.
Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Code CED:

20 01 30 Détergents autres que ceux visés à la rubrique 20 01 29

Emballages pollués

Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres informations :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre

Marchandises non dangereuses conformément à ADR, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur
Sans objet.

14.7. Transport maritime en vrac conformément aux instruments de l'OMI
Aucune information disponible.

RUBRIQUE 15: INFORMATIONS RELATIVES À LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

Limites d'utilisation:
Réservé aux utilisateurs professionnels.

Demandes de formation spécifique:
Pas d'exigences particulières.

Protection contre les accidents majeurs - Categories / Substances dangereuses désignées:
Sans objet.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents:

>15% - <30%
· Agents de surface non ioniques
< 5%
· Agents de surface amphotères
· Agents de surface anioniques
· Agent de conservation (PHENOXYETHANOL)

Autre:
Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

Sources:
Règlement (CE) n° 648/2004 du Parlement européen et du Conseil du 31 mars 2004 relatif aux détergents.
Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.
Règlement (CE) n° 1272/2008 du Parlement européen et du Conseil du 16 décembre 2008 relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges (CLP).
Règlement (CE) n° 1907/2006 du Parlement européen et du Conseil du 18 décembre 2006 concernant l'enregistrement, l'évaluation et l'autorisation des substances chimiques, ainsi que les restrictions applicables à ces substances (REACH).

15.2. Évaluation de la sécurité chimique
Non

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3
H302, Nocif en cas d'ingestion.
H315, Provoque une irritation cutanée.
H318, Provoque de graves lésions des yeux.
H319, Provoque une sévère irritation des yeux.
H335, Peut irriter les voies respiratoires.
H412, Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

Abréviations et acronymes
ADN = Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure
ADR = L'Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS = Chemical Abstracts Service
CE = Conformité Européenne

CVI = Conteneurs en Vrac Intermédiaires
CLP = Règlement 1272/2008/CE relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges
COV = Composés Organiques Volatils
CPSE = Concentration Prédite Sans Effet
CSA = Evaluation de la Sécurité Chimique
CSR = Rapport sur la Sécurité Chimique
DMEL = Dose dérivée avec effet minimum
DNEL = Dose dérivée sans effet
ds = les déchets spéciaux
EINECS = Inventaire européen des substances chimiques commerciales existantes
ETA = Estimation de la Toxicité Aiguë
EuPCS = Système européen de catégorisation des produits
FBC = Facteur de Bioconcentration
Mention EUH = mention de danger spécifique CLP
IARC = Le Centre international de Recherche sur le Cancer (CIRC)
IATA = Association Internationale du Transport Aérien
code IMDG = code maritime international des marchandises dangereuses
LogKoe = Coefficient de partage octanol/eau
MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)
NU = Nations Unies
OCDE = Organisation de Coopération et de Développement Economiques
PBT = Persistantes, Bioaccumulables et Toxiques
PRP = Le potentiel de réchauffement planétaire
REACH = Règlement sur l'enregistrement, l'évaluation, l'autorisation et les restrictions des substances chimiques [Règlement (CE) N° 1907/2006]
RID = Règlement concernant le transport International ferroviaire des marchandises Dangereuses
RRN = Numéro d'enregistrement REACH
sc = les autres déchets soumis à contrôle
scd = autres déchets soumis à contrôle qui nécessitent un document de suivi
SCL = Limite de concentration spécifique (LCS).
SE = Scenario d'Exposition
SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques
SVHC = Substances extrêmement préoccupantes
TDAA = Température de décomposition auto-accélérée
vPvB = Très Persistant et très Bioaccumulable
TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée
TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique
TWA = Moyenne pondérée dans le temps
UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

▼Autre

Conformément à l'Article 31 de REACH, ce produit ne requiert pas de fiche de données de sécurité. Cette fiche de données de sécurité a été créée volontairement afin de fournir des informations pertinentes comme spécifié dans l'Article 32 de REACH.

Validé par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.
Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.
Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.
Pays-langue : FR-fr

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revision:
05/08/2025

SDS Version:
3.0

Date of previous version:
16/07/2025 (3.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 111 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

▼*Additional labelling:*
EUH210, Safety data sheet available on request.
Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

2.3. Other hazards

Additional warnings:
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 UK-REACH: Index No.:	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

	UK-REACH: Index No.:			
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7 UK-REACH: Index No.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼*Inhalation:*

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼*Eye contact:*

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

▼*Ingestion:*

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Propane-1,2-diol
Long term exposure limit (8 hours) (ppm): 150(total)
Long term exposure limit (8 hours) (mg/m^3): 474(total)/10(particulates)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL
2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	10,42 mg/kg
Long term – Systemic effects - General population	Dermal	20,83 mg/kg
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day

Long term – Local effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects	Inhalation	2,41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m³
Long term	Oral	9,23 mg/kg

Propane-1,2-diol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects	Inhalation	10 mg/m³
Long term – Local effects - General population	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³

PNEC

2-phenoxyethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg
Marine water		0.0943 mg/L
Marine water sediment		0,7237 mg/kg
Sewage treatment plant		24,8 mg/L
Sewage treatment plant	Single	36 mg/L
Soil		1,26 mg/kg

Propane-1,2-diol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater sediment		572 mg/kg TG
Marine water sediment		26 mg/L
Marine water sediment		57,2 mg/kg TG
Marine water sediment		26 mg/L
Sewage treatment plant		20000 mg/L
Soil		50 mg/kg TG
Water		260 mg/L

8.2. ▼Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼*Hygiene measures:*
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only UKCA marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Colour:*
Colourless

Odour / Odour threshold:
Characteristic

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Lower and upper explosion limit (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Oxidizing properties:
No data available.

Other physical and chemical parameters:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC
Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae

Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code
20 01 30 Detergents other than those mentioned in 20 01 29

Specific labelling

Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:
Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en

ΔΕΛΤΙΟ ΔΕΔΟΜΕΝΩΝ ΑΣΦΑΛΕΙΑΣ

i.2 kitchen cleaner FlexDose Ultra

ΤΜΗΜΑ 1: ΑΝΑΓΝΩΡΙΣΤΙΚΌΣ ΚΩΔΙΚΌΣ ΟΥΣΊΑΣ/ΜΕΊΓΜΑΤΟΣ ΚΑΙ ΕΠΙΧΕΊΡΗΣΗΣ

1.1. Αναγνωριστικός κωδικός προϊόντος

Εμπορική ονομασία:
i.2 kitchen cleaner FlexDose Ultra

1.2. Συναφείς προσδιοριζόμενες χρήσεις της ουσίας ή του μείγματος και αντενδεικνυόμενες χρήσεις

Αντίστοιχες εξακριβωμένες χρήσεις της ουσίας ή του μίγματος:
Απορρυπαντικά και καθαριστικά (συμπεριλαμβανομένων των διαλυτικών)
Μόνο για επαγγελματική χρήση.

Αντενδεικνυόμενες:
καμία γνωστή.

1.3. Στοιχεία του προμηθευτή του δελτίου δεδομένων ασφαλείας

Εταιρεία και διεύθυνση:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Ηλεκτρονική διεύθυνση:
info@hygeniq.com

Αναθεώρηση:
5/8/2025

Έκδοση SDS:
2.0

Ημερομηνία προηγούμενης έκδοσης:
16/7/2025 (2.0)

1.4. Αριθμός τηλεφώνου επείγουσας ανάγκης

Τηλ. Κέντρου Δηλητηριάσεων: (+30) 210 7793777 (24ωρο, 7 ημέρες την εβδομάδα) / Email: poison_ic@aglaiakyriakou.gr
Δείτε τμήμα 4 “Μέτρα πρώτων βοηθειών”

ΤΜΗΜΑ 2: ΠΡΟΣΔΙΟΡΙΣΜΌΣ ΕΠΙΚΙΝΔΥΝΌΤΗΤΑΣ

2.1. Ταξινόμηση της ουσίας ή του μείγματος

Δεν ταξινομείται σύμφωνα με τον Κανονισμό (ΕΚ) Αρ. 1272/2008 (CLP)

2.2. Στοιχεία ετικέτας

Εικονόγραμμα/εικονογράμματα κινδύνου:
Δεν εφαρμόζεται

Προειδοποιητική λέξη:
Δεν εφαρμόζεται

Δήλωση (Δηλώσεις) κινδύνου:
Δεν εφαρμόζεται

Δήλωση/δηλώσεις προφυλάξεων:

Γενικά:
-

Πρόληψη:
-

Αντίδραση:
-

Αποθήκευση:
-

Απόρριψη:
-

Ταυτότητα των ουσιών που είναι πρωταρχικά υπεύθυνες για τους μείζονες κινδύνους για την υγεία:
Δεν περιέχει ουσίες που απαιτείται να αναφερθούν

▼*Επιπρόσθετος χαρακτηρισμός:*
EUH210, Δελτίο δεδομένων ασφαλείας παρέχεται εφόσον ζητηθεί.
Δεν εφαρμόζεται

Σήμανση περιεχομένου σύμφωνα με τον κανονισμό περί απορρυπαντικών 648/2004 (ισχύει για τις συσκευασίες απορρυπαντικών που πωλούνται στο ευρύ κοινό):

>15% - <30%
· Μη ιονικές επιφανειοδραστικές ουσίες
< 5%
· Αμφοτερικές επιφανειοδραστικές ουσίες
· Ανιονικές επιφανειοδραστικές ουσίες
· Συντηρητικό (PHENOXYETHANOL)

2.3. Άλλοι κίνδυνοι

Επιπρόσθετες προειδοποιήσεις:
Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρείται ότι πληρούν τα κριτήρια ταξινόμησης τους ως ΑΒΤ και/ή αΑαΒ.
Το προϊόν δεν περιέχει ουσίες που αξιολογούνται ως ενδοκρινικοί διαταράκτες σύμφωνα με τα κριτήρια του κατ' εξουσιοδότηση κανονισμού (ΕΕ) 2017/2100 της Επιτροπής ή του κανονισμού (ΕΕ) 2023/707 της Επιτροπής.

ΤΜΗΜΑ 3: Σ΄ΥΝΘΕΣΗ/ΠΛΗΡΟΦΟΡΊΕΣ ΓΙΑ ΤΑ ΣΥΣΤΑΤΙΚΆ

3.1. Ουσίες
Δεν εφαρμόζεται. Αυτό το προϊόν είναι ένα μείγμα.

3.2. Μείγματα

Όνομα ουσίας	Αναγνωριστικοί κωδικοί	% w/w	Ταξινόμηση	Σημειώσεις
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	Αριθ. CAS.: 147170-44-3 Αριθ. ΕΚ: 604-575-4 REACH: Αριθ. ευρετηρίου:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Αριθ. CAS.: 85536-23-8 Αριθ. ΕΚ: REACH: 01-2119565130-50-0000 Αριθ. ευρετηρίου:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-φαινοξυαιθανόλ	Αριθ. CAS.: 122-99-6 Αριθ. ΕΚ: 204-589-7 REACH: 01-2119488943-21 Αριθ. ευρετηρίου: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Δείτε το πλήρες κείμενο των Δηλώσεων κινδύνων (H Statements) στο τμήμα 16. Τα όρια έκθεσης στο χώρο εργασίας παρατίθενται στο τμήμα 8, εφόσον είναι διαθέσιμα.

Άλλες πληροφορίες

[19] Ο όρος UVCB = σημαίνει ουσίες άγνωστης ή ασταθούς σύνθεσης, προϊόντα πολύπλοκων αντιδράσεων ή βιολογικά υλικά.

ΤΜΗΜΑ 4: Μ΄ΕΤΡΑ ΠΡΏΤΩΝ ΒΟΗΘΕΙΏΝ

4.1. Περιγραφή των μέτρων πρώτων βοηθειών

Γενικές πληροφορίες:

Σε περίπτωση ατυχήματος: Επικοινωνήστε με έναν γιατρό ή με τις πρώτες βοήθειες και έχετε μαζί σας την ετικέτα ή αυτό το δελτίο δεδομένων ασφαλείας.
Επικοινωνήστε με έναν γιατρό εάν έχετε αμφιβολίες για την κατάσταση του τραυματία ή εάν τα συμπτώματα επιμένουν. Μην δίνετε ποτέ νερό ή άλλο υγρό σε αναίσθητο άτομο.

▼*Εισπνοή:*

Σε περίπτωση δυσφορίας: μεταφέρετε το άτομο στον καθαρό αέρα.

Επαφή με το δέρμα:

Σε περίπτωση ερεθισμού: ξεπλύνετε με νερό. Αν ο ερεθισμός συνεχίζεται, ζητήστε ιατρική βοήθεια.

▼*Επαφή με τα μάτια:*

Ξεπλύνετε απαλά με χλιαρό νερό. Αφαιρέστε τυχόν φακούς επαφής, εάν αυτό είναι εύκολο. Συνεχίστε το ξέπλυμα.
Σε περίπτωση επίμονου ερεθισμού ή δυσφορίας των ματιών: Ζητήστε ιατρική βοήθεια.

▼*Κατάποση:*

Ξεπλύνετε καλά το στόμα και πιείτε μεγάλες ποσότητες νερού. Σε περίπτωση συνεχιζόμενης ενόχλησης: ζητήστε ιατρική βοήθεια και έχετε διαθέσιμο το δελτίο δεδομένων ασφαλείας.

Εγκαύματα:

Δεν εφαρμόζεται

4.2. Σημαντικότερα συμπτώματα και επιδράσεις , άμεσες ή μεταγενέστερες

καμία γνωστή.

4.3. Ένδειξη οιασδήποτε απαιτούμενης άμεσης ιατρικής φροντίδας και ειδικής θεραπείας

Αντιμετωπίστε συμπτωματικά.

Ιατρικές πληροφορίες

Έχετε διαθέσιμο το δελτίο δεδομένων ασφαλείας ή την ετικέτα του προϊόντος.

ΤΜΗΜΑ 5: Μ΄ΕΤΡΑ ΓΙΑ ΤΗΝ ΚΑΤΑΠΟΛΈΜΗΣΗ ΤΗΣ ΠΥΡΚΑΓΙΆΣ

5.1. Πυροσβεστικά μέσα

Δεν εφαρμόζεται

5.2. Ειδικοί κίνδυνοι που προκύπτουν από την ουσία ή το μείγμα

Η πυρκαγιά θα έχει ως αποτέλεσμα πυκνό καπνό. Η έκθεση σε προϊόντα καύσης μπορεί να βλάψει την υγεία σας. Οι κλειστοί περιέκτες που εκτίθενται στη φωτιά, πρέπει να ψύχονται με νερό. Μην επιτρέπετε στο νερό κατάσβεσης να εισχωρεί στο αποχετευτικό σύστημα και στα κοντινά επιφανειακά νερά.
Εάν το προϊόν εκτεθεί σε υψηλές θερμοκρασίες, όπως π.χ. σε περίπτωση πυρκαγιάς, παράγονται επικίνδυνες ενώσεις αποσύνθεσης. Αυτές είναι:
Οξείδια του άνθρακα (CO / CO2).

5.3. Συστάσεις για τους πυροσβέστες
Δεν υπάρχουν συγκεκριμένες απαιτήσεις

ΤΜΗΜΑ 6: Μ΄ΕΤΡΑ ΓΙΑ ΤΗΝ ΑΝΤΙΜΕΤΏΠΙΣΗ ΤΥΧΑΊΑΣ ΈΚΛΥΣΗΣ

6.1. Προσωπικές προφυλάξεις, προστατευτικός εξοπλισμός και διαδικασίες έκτακτης ανάγκης
Οι μολυσμένες περιοχές μπορεί να είναι ολισθηρές.

6.2. Περιβαλλοντικές προφυλάξεις
Αποφύγετε την απόρριψη σε λίμνες, ρυάκια, υπονόμους κλπ.
Κρατήστε τα μη εξουσιοδοτημένα άτομα μακριά από τη στάλαγμα

6.3. Μέθοδοι και υλικά για περιορισμό και καθαρισμό
Οι διαρροές περιορίζονται και συλλέγονται με μη εύφλεκτο απορροφητικό υλικό, π.χ. άμμος, χώμα, βεμικουλίτης, γη διατόμων και τοποθετούνται σε δοχείο και απορρίπτονται σύμφωνα με τους ισχύοντες κανονισμούς.
Στο μέτρο του δυνατού, ο καθαρισμός πραγματοποιείται με κανονικά καθαριστικά. Αποφύγετε τη χρήση διαλυτών.

6.4. Παραπομπή σε άλλα τμήματα
Δείτε στο τμήμα 13 "Στοιχεία σχετικά με τη διάθεση" όσον αφορά το χειρισμό των αποβλήτων.
Δείτε στο τμήμα 8 «Έλεγχος έκθεσης/ατομική προστασία» για πληροφορίες σχετικά με τα προστατευτικά μέτρα.

ΤΜΗΜΑ 7: ΧΕΙΡΙΣΜΌΣ ΚΑΙ ΑΠΟΘΉΚΕΥΣΗ

7.1. Προφυλάξεις για ασφαλή χειρισμό
Δεν επιτρέπεται το κάπνισμα, το ποτό και η κατανάλωση φαγητού στον χώρο εργασίας.
Δείτε στο τμήμα 8 «Έλεγχος έκθεσης/ατομική προστασία» για πληροφορίες σχετικά με την προσωπική προστασία.

7.2. ▼Συνθήκες για την ασφαλή φύλαξη, συμπεριλαμβανομένων τυχόν ασυμβίβαστων

Απαιτήσεις συσκευασίας:
Να διατηρείται μόνο στην αρχική συσκευασία.

Συνθήκες αποθήκευσης:
Ξηρό, δροσερό και με καλό αερισμό

Μη συμβατά υλικά:
Δυνατά οξέα, ισχυρές βάσεις, δυνατά οξειδωτικά μέσα και δυνατοί παράγοντες καταβολισμού.

7.3. Ειδική τελική χρήση ή χρήσεις
Αυτό το προϊόν πρέπει να χρησιμοποιείται μόνο για εφαρμογές που αναφέρονται στο τμήμα 1.2.

ΤΜΗΜΑ 8: ΈΛΕΓΧΟΣ ΤΗΣ ΈΚΘΕΣΗΣ/ΑΤΟΜΙΚΉ ΠΡΟΣΤΑΣΊΑ

8.1. Παράμετροι ελέγχου
Το προϊόν δεν εμπεριέχει καμία ουσία που περιλαμβάνεται στην Κυπριακή λίστα ουσιών με όρια έκθεσης στο χώρο εργασίας

DNEL (Παράγωγο επίπεδο χωρίς επιπτώσεις)
2-φαινοξυαιθανόλ

Διάρκεια:	**Οδός έκθεσης:**	**DNEL:**
Μακροπρόθεσμα - Συστημικές επιδράσεις	Δερματική	10,42 mg/kg
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Δερματική	20,83 mg/kg
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Δερματική	34.72 mg/kg/ημέρα
Μακροπρόθεσμα - Συστημικές επιδράσεις	Εισπνοή	2,41 mg/m³
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Εισπνοή	5,7 mg/m³
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Εισπνοή	8.07 mg/m³
Μακροπρόθεσμα - Τοπικές επιδράσεις - Υπάλληλοι	Εισπνοή	5,7 mg/m³
Μακροπρόθεσμα	Στοματική	9,23 mg/kg

PNEC (Προβλεπόμενη συγκέντρωση χωρίς επιπτώσεις)

2-φαινοξυαιθανόλ

Οδός έκθεσης:	Διάρκεια Έκθεσης:	PNEC:
Γλυκό νερό		0,943 mg/L
Θαλασσινό νερό		0.0943 mg/L
Ίζημα γλυκού νερού		7.2366 mg/kg
Ίζημα θαλασσινού νερού		0,7237 mg/kg
Σταθμός Ενεργού Ιλύος		24,8 mg/L
Σταθμός Ενεργού Ιλύος	Μεμονωμένη	36 mg/L
Χώμα		1,26 mg/kg

8.2. ▼Έλεγχοι έκθεσης

Εφαρμόστε γενικό έλεγχο για να αποφύγετε την περιττή έκθεση.

Γενικές συστάσεις:

Δεν επιτρέπεται το κάπνισμα, το ποτό και η κατανάλωση φαγητού στον χώρο εργασίας.

Σενάρια έκθεσης:

Δεν εφαρμόζονται τα σενάρια έκθεσης για αυτό το προϊόν.

Όρια έκθεσης:

Δεν έχουν καθοριστεί όρια επαγγελματικής έκθεσης για τις ουσίες σε αυτό το προϊόν.

Κατάλληλα τεχνικά μέτρα:

Εφαρμόστε τυπικές προφυλάξεις κατά τη χρήση του προϊόντος. Αποφύγετε την εισπνοή ατμών.

▼*Μέτρα υγιεινής:*

Πλύνετε τα χέρια μετά τη χρήση.

Μέτρα προς αποφυγή περιβαλλοντικής έκθεσης:

Δεν υπάρχουν συγκεκριμένες απαιτήσεις

Ξεχωριστά μέτρα προστασίας όπως ατομικός προστατευτικός εξοπλισμός

Γενικά:

Χρησιμοποιείτε μόνο προστατευτικό εξοπλισμό με σήμανση CE.

Αναπνευστική συσκευή:

Τύπος	Κατηγορία	Χρώμα	Πρότυπα	
Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται.				

Προστασία του δέρματος:

Συστήνεται	Τύπου/Κατηγορίας	Πρότυπα	
Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται	-	-	

Προστασία των χεριών:

Κατάσταση εργασίας	Υλικό γαντιών	Πάχος γαντιών (mm)	χρόνοι αντοχής (λεπτά)	Πρότυπα	
Σε περίπτωση παρατεταμένης έκθεσης ή υψηλών συγκεντρώσεων	Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται	-	-	-	
	Nitril	0.35			

Προστασία για τα μάτια:

Κατάσταση εργασίας	Τύπος	Πρότυπα	
	Τίποτα το ιδιαίτερο, όταν	-	

Κατάσταση εργασίας	Τύπος	Πρότυπα	
	χρησιμοποιείται όπως ενδείκνυται.		
Σε περίπτωση παρατεταμένης έκθεσης ή υψηλών συγκεντρώσεων	Γυαλιά ασφαλείας με πλαϊνά προστατευτικά.	EN166	

ΤΜΗΜΑ 9: ΦΥΣΙΚΈΣ ΚΑΙ ΧΗΜΙΚΈΣ ΙΔΙΌΤΗΤΕΣ

9.1. Στοιχεία για τις βασικές φυσικές και χημικές ιδιότητες

Φυσική κατάσταση:
Υγρό

▼*Χρώμα:*
Άχρωμο

Οσμή / Όριο οσμής (ppm):
Χαρακτηριστικό

pH:
ca. 9.0

Πυκνότητα (g/cm³):
1,04 (20 °C)

Κινηματικό ιξώδες:
Δεν υπάρχουν διαθέσιμα δεδομένα.

Χαρακτηριστικά σωματιδίων:
Δεν εφαρμόζεται για υγρά.

Αλλαγές φάσης

Σημείο τήξεως/σημείο πήξεως (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Σημείο/εύρος μαλάκυνσης (°C):
Δεν εφαρμόζεται για υγρά.

Σημείο βρασμού (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Πίεση ατμού:
Δεν υπάρχουν διαθέσιμα δεδομένα.

Σχετική πυκνότητα ατμών :
Δεν υπάρχουν διαθέσιμα δεδομένα.

Θερμοκρασία αποσύνθεσης (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Δεδομένα για τους κινδύνους πυρκαγιάς και έκρηξης

Σημείο ανάφλεξης (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Ευφλεκτότητα (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Θερμοκρασία αυτανάφλεξης (°C):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Όρια αναφλεξιμότητας (% v/v):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Διαλυτότητα

Διαλυτότητα στο νερό:
Πλήρως διαλυτή

Συντελεστής κατανομής σε n-οκτανόλη/νερό (LogKow):
Δεν υπάρχουν διαθέσιμα δεδομένα.

Διαλυτότητα στο λίπος (g/L):
Δεν υπάρχουν διαθέσιμα δεδομένα.

9.2. Άλλες πληροφορίες

Άλλες φυσικές και χημικές παράμετροι:
Δεν υπάρχουν διαθέσιμα δεδομένα.

Ιδιότητες οξείδωσης:
Δεν υπάρχουν διαθέσιμα δεδομένα.

ΤΜΗΜΑ 10: ΣΤΑΘΕΡΌΤΗΤΑ ΚΑΙ ΑΝΤΙΔΡΑΣΤΙΚΌΤΗΤΑ

10.1. Δραστικότητα
Δεν υπάρχουν διαθέσιμα δεδομένα.

10.2. Χημική σταθερότητα
Το προϊόν είναι σταθερό υπό τις συνθήκες που αναφέρονται στο τμήμα 7 «Χειρισμός και αποθήκευση».

10.3. Πιθανότητα επικίνδυνων αντιδράσεων
καμία γνωστή.

10.4. Συνθήκες προς αποφυγήν
καμία γνωστή.

10.5. Μη συμβατά υλικά
Δυνατά οξέα, ισχυρές βάσεις, δυνατά οξειδωτικά μέσα και δυνατοί παράγοντες καταβολισμού.

10.6. Επικίνδυνα προϊόντα αποσύνθεσης
Υπό κανονικές συνθήκες αποθήκευσης και χρήσης, δεν θα πρέπει να παράγονται επικίνδυνα προϊόντα αποσύνθεσης.

ΤΜΗΜΑ 11: ΤΟΞΙΚΟΛΟΓΙΚΈΣ ΠΛΗΡΟΦΟΡΊΕΣ

11.1. Πληροφορίες για τις τάξεις κινδύνου, όπως ορίζονται στον κανονισμό (ΕΚ) αριθ. 1272/2008

Οξεία τοξικότητα

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 401
Είδος:	Επίμυς
Οδός έκθεσης:	Στοματική
Έλεγχος:	LD50
Αποτέλεσμα:	>5.000 mg/kg

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 402
Είδος:	Επίμυς
Οδός έκθεσης:	Δερματική
Έλεγχος:	LD50
Αποτέλεσμα:	>2.000 mg/kg

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Είδος:	Επίμυς
Οδός έκθεσης:	Δερματική
Έλεγχος:	LD50
Αποτέλεσμα:	>2000 mg/kg

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Είδος:	Επίμυς
Οδός έκθεσης:	Στοματική

Έλεγχος:	LD50
Αποτέλεσμα:	>2000 mg/kg

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Είδος:	Επίμυς
Οδός έκθεσης:	Δερματική
Έλεγχος:	LD50
Αποτέλεσμα:	>2000 mg/kg

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Επίμυς
Οδός έκθεσης:	Στοματική
Έλεγχος:	LD50
Αποτέλεσμα:	1840 mg/kg

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Κουνέλι
Οδός έκθεσης:	Δερματική
Αποτέλεσμα:	>5000 mg/kg

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Διάβρωση και ερεθισμός του δέρματος·

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Μέθοδος ελέγχου:	ΟΟΣΑ 404
Είδος:	Ινδικό χοιρίδιο
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ερεθισμός)

Όνομα ουσίας	2-φαινοξυαιθανόλ
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Διάβρωση)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Σοβαρή βλάβη/ερεθισμός των ματιών·

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Προκαλεί σοβαρή οφθαλμική βλάβη)

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 404
Είδος:	Κουνέλι
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ελαφρύς ερεθισμός)

Όνομα ουσίας	2-φαινοξυαιθανόλ
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Προκαλεί σοβαρή οφθαλμική βλάβη)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Ευαισθητοποίηση του αναπνευστικού

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Ευαισθητοποίηση του δέρματος

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Μεταλλαξιγένεση γεννητικών κυττάρων·

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Καρκινογένεση·

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Τοξικότητα για την αναπαραγωγή·

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

STOT-εφάπαξ έκθεση·

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

STOT-επανειλημμένη έκθεση·
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

τοξικότητα αναρρόφησης
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

11.2. Πληροφορίες για άλλους τύπους επικινδυνότητας

Μακροπρόθεσμες επιπτώσεις
καμία γνωστή.

Ιδιότητες ενδοκρινικής διαταραχής
Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρούνται ότι έχουν ιδιότητες που διαταράσσουν τις ορμόνες σε σχέση με την υγεία.

Άλλες πληροφορίες
καμία γνωστή.

ΤΜΗΜΑ 12: ΟΙΚΟΛΟΓΙΚΈΣ ΠΛΗΡΟΦΟΡΊΕΣ

12.1. Τοξικότητα

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 203
Είδος:	Ψάρι, Pimephales promelas
Έλεγχος:	LC50
Αποτέλεσμα:	>1-10 mg/L

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 202
Είδος:	Καρκινοειδή, Daphnia magna
Έλεγχος:	EC50
Αποτέλεσμα:	>1-10 mg/L

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 201
Είδος:	Andere waterorganismen, Desmodesmus subspicatus
Έλεγχος:	EC50
Αποτέλεσμα:	>1-10 mg/L

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 209
Είδος:	Pseudomonas putida
Διαμέρισμα:	Σταθμος Ενεργού Ιλύος
Έλεγχος:	EC0
Αποτέλεσμα:	>100 mg/L

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 210
Είδος:	Ψάρι
Έλεγχος:	NOEC
Αποτέλεσμα:	>0,1-1 mg/L

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Μέθοδος ελέγχου:	ΟΟΣΑ 211
Είδος:	Καρκινοειδή, Daphnia magna
Έλεγχος:	NOEC
Αποτέλεσμα:	>0,1-1 mg/L

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Μέθοδος ελέγχου:	ΟΟΣΑ 201
Είδος:	Φύκη
Διαμέρισμα:	Γλυκό νερό
Διάρκεια:	72 Ώρες
Έλεγχος:	EC50
Αποτέλεσμα:	410 mg/L

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Μέθοδος ελέγχου:	ΟΟΣΑ 203
Είδος:	Ψάρι
Διαμέρισμα:	Γλυκό νερό
Διάρκεια:	96 Ώρες
Έλεγχος:	LC50
Αποτέλεσμα:	2,9 mg/L

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Μέθοδος ελέγχου:	ΟΟΣΑ 201
Είδος:	Φύκη
Διαμέρισμα:	Γλυκό νερό
Διάρκεια:	72 Ώρες
Έλεγχος:	NOEC
Αποτέλεσμα:	4,9 mg/L

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Ψάρι
Διάρκεια:	96 Ώρες
Έλεγχος:	LC50
Αποτέλεσμα:	>100 mg/L

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Φύκη
Διάρκεια:	72 Ώρες
Έλεγχος:	ErC50
Αποτέλεσμα:	>100 mg/L

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Daphnia magna
Διάρκεια:	48 Ώρες
Έλεγχος:	EC50
Αποτέλεσμα:	>100 mg/L

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Ψάρι
Έλεγχος:	NOEC
Αποτέλεσμα:	23 mg/L

Όνομα ουσίας	2-φαινοξυαιθανόλ
Είδος:	Andere waterorganismen
Διάρκεια:	30 minutes
Έλεγχος:	EC50
Αποτέλεσμα:	>1000 mg/L

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

12.2. Ανθεκτικότητα και ικανότητα αποικοδόμησης

Όνομα ουσίας	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Συμπέρασμα:	Άμεση βιοαποδομησιμότητα

Όνομα ουσίας	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Συμπέρασμα:	Άμεση βιοαποδομησιμότητα

Όνομα ουσίας	2-φαινοξυαιθανόλ
Αποτέλεσμα:	>70
Συμπέρασμα:	Άμεση βιοαποδομησιμότητα
Έλεγχος:	ΟΟΣΑ 301 A

Τα τασιενεργά που περιέχονται στο συγκεκριμένο παρασκεύασμα συμμορφώνονται τα κριτήρια βιοδιασπασιμότητας τα οποία ορίζονται στον Κανονισμό (ΕΚ) No.648/2004 για απορρυπαντικά. Τα δεδομένα που υποστηρίζουν τη δήλωση αυτή βρίσκονται στη διάθεση των αρμοδίων Αρχών των Κρατών Μελών και θα παρέχονται σε αυτές κατόπιν αμέσου αιτήματός τους ή κατόπιν αιτήματος του κατασκευαστή του απορρυπαντικού .

12.3. Δυνατότητα βιοσυσσώρευσης

Όνομα ουσίας	2-φαινοξυαιθανόλ
ΣΒΣ:	0.349
LogKow:	1.2
Συμπέρασμα:	-

12.4. Κινητικότητα στο έδαφος

Δεν υπάρχουν διαθέσιμα δεδομένα.

12.5. Αποτελέσματα της αξιολόγησης ΑΒΤ και αΑαΒ

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρείται ότι πληρούν τα κριτήρια ταξινόμησης τους ως ΑΒΤ και/ή αΑαΒ.

12.6. Ιδιότητες ενδοκρινικής διαταραχής

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρούνται ότι έχουν ιδιότητες ενδοκρινικής διαταραχής σε σχέση με το περιβάλλον.

12.7. Άλλες αρνητικές επιπτώσεις

καμία γνωστή.

ΤΜΗΜΑ 13: ΣΤΟΙΧΕΊΑ ΣΧΕΤΙΚΆ ΜΕ ΤΗ ΔΙΆΘΕΣΗ

13.1. Μέθοδοι διαχείρισης αποβλήτων

Το προϊόν δεν καλύπτεται από κανονισμούς για επικίνδυνα απόβλητα.
Κανονισμός (ΕΕ) αριθ. 1357/2014 ΤΗΣ ΕΠΙΤΡΟΠΗΣ της 18ης Δεκεμβρίου 2014 για τα απόβλητα.

Κωδικός ΕΚΑ:

20 01 30 απορρυπαντικά άλλα από τα αναφερόμενα στο σημείο 20 01 29

Μολυσμένη συσκευασία

Συσκευασίες που περιέχουν υπολείμματα από το προϊόν πρέπει να διατίθενται με τον ίδιο τρόπο όπως το προϊόν.

ΤΜΗΜΑ 14: ΠΛΗΡΟΦΟΡΊΕΣ ΣΧΕΤΙΚΆ ΜΕ ΤΗ ΜΕΤΑΦΟΡΆ

	14.1 UN No	14.2 Κατάλληλη ονομασία αποστολής	14.3 Κλάση(εις) κινδύνου	14.4 PG*	14.5. Env**	Άλλες πληροφορίες:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Ομάδα συσκευασίας

** Περιβαλλοντικοί κίνδυνοι

Επιπρόσθετες πληροφορίες

Μη επικίνδυνα εμπορεύματα σύμφωνα με τους κανονισμούς ADR, IATA και IMDG.

14.6. Ειδικές προφυλάξεις για τον χρήστη

Δεν εφαρμόζεται

14.7. Θαλάσσιες μεταφορές χύδην σύμφωνα με τις πράξεις του ΙΜΟ

Δεν υπάρχουν διαθέσιμα δεδομένα.

ΤΜΗΜΑ 15: ΣΤΟΙΧΕΊΑ ΝΟΜΟΘΕΤΙΚΟΎ ΧΑΡΑΚΤΉΡΑ

15.1. Κανονισμοί/νομοθεσία σχετικά με την ασφάλεια, την υγεία και το περιβάλλον για την ουσία ή το μείγμα

Περιορισμοί στην εφαρμογή:

Μόνο για επαγγελματική χρήση.

Απαιτήσεις για συγκεκριμένη εκπαίδευση:

Δεν υπάρχουν συγκεκριμένες απαιτήσεις

SEVESO - ΚΑΤΗΓΟΡΊΕΣ ΚΙΝΔΎΝΟΥ / ΚΑΤΟΝΟΜΑΖΌΜΕΝΕΣ ΕΠΙΚΊΝΔΥΝΕΣ ΟΥΣΊΕΣ:

Δεν εφαρμόζεται

Σήμανση περιεχομένου σύμφωνα με τον κανονισμό περί απορρυπαντικών 648/2004:

>15% - <30%
· Μη ιονικές επιφανειοδραστικές ουσίες
< 5%
· Αμφοτερικές επιφανειοδραστικές ουσίες
· Ανιονικές επιφανειοδραστικές ουσίες
· Συντηρητικό (PHENOXYETHANOL)

Επιπρόσθετες πληροφορίες:

Τα τασιενεργά που περιέχονται στο συγκεκριμένο παρασκεύασμα συμμορφώνονται τα κριτήρια βιοδιασπασιμότητας τα οποία ορίζονται στον Κανονισμό (ΕΚ) No.648/2004 για απορρυπαντικά. Τα δεδομένα που υποστηρίζουν τη δήλωση αυτή βρίσκονται στη διάθεση των αρμοδίων Αρχών των Κρατών Μελών και θα παρέχονται σε αυτές κατόπιν αμέσου αιτήματός τους ή κατόπιν αιτήματος του κατασκευαστή του απορρυπαντικού .

Πηγές:

Κανονισμός (ΕΚ) αριθ. 648/2004 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 31ης Μαρτίου 2004, σχετικά με τα απορρυπαντικά.
Κανονισμός (ΕΕ) αριθ. 1357/2014 ΤΗΣ ΕΠΙΤΡΟΠΗΣ της 18ης Δεκεμβρίου 2014 για τα απόβλητα.
Κανονισμός (ΕΚ) αριθ. 1272/2008 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 16ης Δεκεμβρίου 2008, για την ταξινόμηση, την επισήμανση και τη συσκευασία των ουσιών και των μειγμάτων (CLP).
Κανονισμός (ΕΚ) αριθ. 1907/2006 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 18ης Δεκεμβρίου 2006, για την καταχώριση, την αξιολόγηση, την αδειοδότηση και τους περιορισμούς των χημικών προϊόντων (REACH).

15.2. Αξιολόγηση χημικής ασφάλειας

Όχι

ΤΜΗΜΑ 16: ΆΛΛΕΣ ΠΛΗΡΟΦΟΡΊΕΣ

Πλήρες κείμενο των Δηλώσεων κινδύνων (H Statements) όπως αναφέρεται στο τμήμα 3

H302, Επιβλαβές σε περίπτωση κατάποσης.
H315, Προκαλεί ερεθισμό του δέρματος.
H318, Προκαλεί σοβαρή οφθαλμική βλάβη.
H319, Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
H335, Μπορεί να προκαλέσει ερεθισμό της αναπνευστικής οδού.
H412, Επιβλαβές για τους υδρόβιους οργανισμούς, με μακροχρόνιες επιπτώσεις.

Συντομογραφίες και αρκτικόλεξα

ADN = Ευρωπαϊκή Συμφωνία σχετικά με τις Διεθνείς Μεταφορές Επικίνδυνων Εμπορευμάτων μέσω της Εσωτερικής Ναυσιπλοΐας
ADR = Η Ευρωπαϊκή Συμφωνία Ευρωπαϊκή Συμφωνία για τις Διεθνείς Οδικές Μεταφορές Επικίνδυνων Εμπορευμάτων
ATE = Εκτίμηση της οξείας τοξικότητας
BCF = Συντελεστής βιοσυγκέντρωσης
CAS = Υπηρεσία Χημικής Ταυτοποίησης

CE = Ευρωπαϊκή Συμμόρφωση
CLP = Κανονισμός για την Ταξινόμηση, Επισήμανση και Συσκευασία [Κανονισμός (ΕΚ) υπ' αριθ. 1272/2008]
CSA = Αξιολόγηση Χημικής Ασφάλειας
CSR = Αναφορά Χημικής Ασφάλειας
DMEL = Παράγωγο Επίπεδο με Ελάχιστες Επιπτώσεις
DNEL = Παράγωγο Επίπεδο Χωρίς Επιπτώσεις
EINECS = Ευρωπαϊκός Κατάλογος των Υφιστάμενων Εμπορικών Χημικών Ουσιών
ΕΚΑ = Ευρωπαϊκός Κατάλογος Αποβλήτων
ES = Σενάριο Έκθεσης
Δήλωση EUH = Ειδική Δήλωση κινδύνου του CLP
ΔΥΠ (GWP) = Δυναμικό υπερθέρμανσης του πλανήτη»
EuPCS = Ευρωπαϊκό σύστημα κατηγοριοποίησης προϊόντων
GHS = Το δυναμικό υπερθέρμανσης του πλανήτη
IATA = Διεθνής Ένωση Αερομεταφορών
IBC = Εμπορευματοκιβώτιο Μεσαίας Χωρητικότητας Χύδην Φορτίου
IMDG = Διεθνής Ναυτιλιακός Κώδικας Επικίνδυνων Εμπορευμάτων
LogPow = Λογάριθμος του συντελεστή κατανομής οκτανόλης/νερού
MARPOL 73/78 = Διεθνής Σύμβαση για την Πρόληψη της Ρύπανσης από τα Πλοία, 1973 όπως τροποποιήθηκε από το Πρωτόκολλο 1978. ("Marpol" = θαλάσσια ρύπανση)
ΟΟΣΑ = Οργανισμός για Οικονομική Συνεργασία και Ανάπτυξη
PBT (ΑΒΤ) = Ανθεκτικά, Βιοσυσσωρεύσιμα και Τοξικά
PNEC = Προβλεπόμενη Συγκέντρωση Χωρίς Επιπτώσεις
RID = Κανονισμοί για τις Διεθνείς Σιδηροδρομικές Μεταφορές Επικίνδυνων Εμπορευμάτων
RRN = Αριθμός Καταχώρισης REACH
SCL = Ειδικό Όριο Συγκέντρωσης
SVHC = Ουσίες που Προκαλούν Πολύ Μεγάλη Ανησυχία
STOT-RE = Ειδική τοξικότητα οργάνου-στόχου - Επανειλημμένη έκθεση
STOT-SE = Ειδική τοξικότητα οργάνου-στόχου - Μοναδική έκθεση
TWA = Μέση χρονικά σταθμισμένη
UVCB = Ουσίες άγνωστης ή ασταθούς σύνθεσης, προϊόντα πολύπλοκων αντιδράσεων ή βιολογικά υλικά
ΠΟΕ = Πτητικές Οργανικές Ενώσεις
αΑαΒ = άκρως Ανθεκτικά και άκρως Βιοσυσσωρεύσιμα

▼Επιπρόσθετες πληροφορίες

Σύμφωνα με το Άρθρο 31 του Κανονισμού REACH δεν απαιτείται δελτίο δεδομένων ασφαλείας γι' αυτό το προϊόν. Το δελτίο δεδομένων ασφαλείας έχει δημιουργηθεί εθελοντικά ώστε να διανέμονται οι σχετικές πληροφορίες όπως προβλέπεται από το Άρθρο 32 του REACH.

Το φυλλάδιο δεδομένων ασφαλείας επικυρώνεται από

Quality & Compliance

Άλλα

Μια αλλαγή (αναφορικά με την τελευταία σημαντική αλλαγή) επισημαίνεται με ένα τρίγωνο.
Οι πληροφορίες σε αυτό το δελτίο δεδομένων ασφαλείας ισχύουν μόνο για το συγκεκριμένο προϊόν (αναφέρεται στην ενότητα 1) και δεν είναι απαραίτητα σωστές για χρήση με άλλα χημικά/προϊόντα.
Συνιστάται να παραδώσετε αυτό το δελτίο δεδομένων ασφαλείας στον ίδιο τον χρήστη του προϊόντος. Οι πληροφορίες σε αυτό το δελτίο δεδομένων ασφαλείας δεν μπορούν να χρησιμοποιηθούν ως προδιαγραφές προϊόντος.
Χώρα-γλώσσα: GR-el

SIGURNOSNO-TEHNIČKOG LISTA

i.2 kitchen cleaner FlexDose Ultra

ODJELJAK 1.: IDENTIFIKACIJA TVARI/SMJESE I PODACI O TVRTKI/PODUZECU

1.1. Identifikacijska oznaka proizvoda

Tržišni naziv:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevantne identificirane uporabe tvari ili smjese i uporabe koje se ne preporucuju

Relevantne identificirane namjene tvari ili smjese:
Deterdženti i sredstva za čišćenje (uključujući one na bazi otapala)
Samo za profesionalne korisnike.

Namjene koje se ne preporucuju:
Nitko poznat.

1.3. Podaci o dobavljacu koji isporucuje sigurnosno-tehnicki list

Kompanija i adresa:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Izmjena:
05. 08. 2025.

SDS inacica:
2.0

Datum prethodnog izdanja:
16. 07. 2025. (2.0)

1.4. Broj telefona za izvanredna stanja

CKO - Centar za kontrolu otrovanja, TEL: +3851 2348 342
Pogledajte Odjeljak 4: "Mjere prve pomoći"

ODJELJAK 2.: IDENTIFIKACIJA OPASNOSTI

2.1. Razvrstavanje tvari ili smjese

Nije razvrstano prema Uredbi (EZ) br. 1272/2008 (CLP).

2.2. Elementi oznacivanja

Piktogrami opasnosti:
Nije primjenljivo.

Oznaka opasnosti:
Nije primjenljivo.

Oznake upozorenja:

Nije primjenljivo.

Oznake obavijesti:

Opcenito:
-

Sprječavanje:
-

Reakcija:
-

Postupanje:
-

Odlaganje:
-

Identifikacija tvari koje su primarno odgovorne za vece opasnosti po zdravlje:
Ne sadrži tvari potrebne za prijaviti

▼*Dodatno oznacavanje:*
EUH210, Sigurnosno-tehnički list dostupan na zahtjev.
Nije primjenljivo.

Označavanje sadržaja prema Pravilniku o deterdžentima 648/2004 (primjenjuje se na pakiranje deterdženata koji se prodaju široj javnosti):

>15% - <30%
· Neionski surfaktanti
< 5%
· Amfoterni sufraktanti
· Anionski surfaktanti
· Konzervansa (PHENOXYETHANOL)

2.3. Ostale opasnosti

Dodatna upozorenja:
Ova mješavina/proizvod ne sadrži nikakve tvari za koje se smatra da ispunjavaju kriterije po kojima ih se klasificira kao PBT i/ili vPvB.
Ovaj proizvod ne sadrži nikakve tvari koje se smatraju endokrinim disruptorima u skladu s kriterijima navedenim u Delegiranoj uredbi Komisije (EU) 2017/2100 ili Uredbi Komisije (EU) 2023/707.

ODJELJAK 3.: SASTAV/INFORMACIJE O SASTOJCIMA

3.1. Tvari
Nije primjenljivo. Ovaj proizvod je mješavina.

3.2. Smjese

Proizvod/sastojak	Identifikacijske oznake	% w/w	Razvrstavanje	Naznake
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS br.: 147170-44-3 EZ br.: 604-575-4 REACH: Indeksni br.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS br.: 85536-23-8 EZ br.: REACH: 01-2119565130-50-0000 Indeksni br.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoksietanol	CAS br.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	EZ br.: 204-589-7 REACH: 01-2119488943-21 Indeksni br.: 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Pogledajte puni tekst H-fraza u odjeljak 16. Ograničenja vezana uz izlaganja na radnom mjestu navedena su u odjeljak 8, ako su dostupna.

Ostale informacije
[19] UVCB = Su tvari nepoznatog ili promjenljivog sastava, složeni reakcijski proizvodi ili biološki materijali.

ODJELJAK 4.: MJERE PRVE POMOCI

4.1. Opis mjera prve pomoci

Opce informacije:
U slučaju nezgode: Kontaktirajte liječnika ili službu za zbrinjavanje unesrećenih, a sa sobom ponesite etiketu s proizvoda ili ovaj sigurnosno-tehnički list.
Kontaktirajte liječnika ako niste sigurni kakvo je stanje izložene osobe ili ako ne dođe do povlačenja simptoma.
Osobi koja nije pri svijesti nikada nemojte davati da pije vodu ili nešto slično.

▼*Udisanje:*
U slučaju tegoba: osobu izvesti za svjež zrak.

Kontakt s kožom:
U slučaju iritacije: proizvod saperite. U slučaju ako se iritacija ne povuče: Potražite medicinsku pomoć.

▼*Kontakt s ocima:*
Blago isperite mlakom vodom. Uklonite kontaktne leće ako je to lako učiniti. Nastavite s ispiranjem. U slučaju dugotrajne iritacije oka ili nelagode: potražiti liječničku pomoć.

▼*Gutanje:*
Detaljno isperite usta i popijte veću količinu vode. U slučaju ako se tegobe ne povuku: potražite medicinsku pomoć, a sa sobom poneseite ovaj informacijski letak.

Opekline:
Nije primjenljivo.

4.2. Najvažniji simptomi i ucinci, akutni i odgodeni
Nitko poznat.

4.3. Navod o slucaju potrebe za hitnom lijecnickom pomoci i posebnom obradom
Liječiti simptomatski.

Informacije za zdravstveno osoblje
Ponesite ovaj sigurnosno-tehnički list ili etiketu s materijala.

ODJELJAK 5.: MJERE ZA SUZBIJANJE POŽARA

5.1. Sredstva za gašenje
Nije primjenljivo.

5.2. Posebne opasnosti koje proizlaze iz tvari ili smjese
Zapaljenje će dovesti do stvaranja gustog dima. Izlaganje tvarima koje nastanu kao rezultat sagorijevanja može naškoditi zdravlju. Zatvorene spremnike, koji su bili izloženi vatri, treba ohladiti vodom. Nemojte dopustiti ulijevanje vode koja se koristila za gašenje požara u kanalizacijske odvode ili u droge vodene tokove.
Ako se proizvod izloži visokim temperaturama, poput onih koje se razvijaju u slučaju požara, dolazi do otpuštanja tvari koje nastaju kao rezultat razgradnje. Te tvari su:
Ugljični oksidi (CO / CO2)

5.3. Savjeti za gasitelje požara
Nema posebnih uvjeta.

ODJELJAK 6.: MJERE KOD SLUCAJNOG ISPUŠTANJA

6.1. Osobne mjere opreza, zaštitna oprema i postupci za izvanredna stanja
Osigurajte odgovarajuću ventilaciju, posebno u zatvorenim prostorima.
Kontaminirani prostor može biti sklizak.

6.2. Mjere zaštite okoliša
Izbjegavajte izlijevanje tvari u jezera, riječne tokove, kanalizacijske odvode i slično.
Držite neovlaštene osobe dalje od izlijevanja

6.3. Metode i materijal za sprecavanje širenja i cišcenje
Zadržite i sakupite prolivenu tekućinu nezapaljivim, upijajućim materijalom npr. pijeskom, zemljom, vermikulitom ili dijatomejskom zemljom i stavite u spremnik za odlaganje u skladu s lokalnim propisima.
Koliko god je to moguće, čišćenje treba obavljati pomoću uobičajenih sredstava za čišćenje. Treba izbjegavati uporabu otapala.

6.4. Uputa na druge odjeljke
Pogledajte odjeljak o 13 " Zbrinjavanje", koji se odnosi na rukovanje otpadom.
Informacije o mjerama zaštitepotražite u odjeljku o 8 'Nadzor nad izloženošću/osobna zaštita'.

ODJELJAK 7.: RUKOVANJE I SKLADIŠTENJE

7.1. Mjere opreza za sigurno rukovanje
U radnim prostorijama nije dopušteno pušenje, konzumiranje hrane ili napitaka, kao ni čuvanje duhanskih proizvoda, hrane ili napitaka.
Informacije o osobnoj zaštiti potražite u odjeljku o 'Nadzor nad izloženošću/osobna zaštita'.

7.2. ▼Uvjeti sigurnog skladištenja, uzimajuci u obzir moguce inkompatibilnosti

Kompatibilnost ambalaže:
Čuvati samo u originalnom pakiranju.

Uvjeti skladištenja:
Suho, hladno i dobro prozračeno

Inkompatibilni materijali:
Jake kiseline, jake lužine, jaka oksidirajuća sredstva i jaka redukcijska sredstva.

7.3. Posebna krajnja uporaba ili uporabe
Ovaj proizvod treba se koristiti isključivo za namjene navedene u odjeljak 1.2.

ODJELJAK 8.: NADZOR NAD IZLOŽENOŠCU/OSOBNA ZAŠTITA

8.1. Nadzorni parametri
Propane-1,2-diol
Granična vrijednost izloženosti (8 sati) (GVI) (ppm): 150 (ukupno pare i čestice)
Granična vrijednost izloženosti (8 sati) (GVI) (mg/m^3): 474 (ukupno pare i čestice) / 10 (čestice)

NN 1/2021 (10.01.2021.), Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima

DNEL
2-fenoksietanol

Trajanje:	**Način izlaganja:**	**DNEL:**
Dugoročno	Oralno	9,23 mg/kg
Dugoročno-Sustavni učinci	Preko kože	10,42 mg/kg
Dugoročno-Sustavni učinci-Opća populacija	Preko kože	20,83 mg/kg

Dugoročno-Sustavni učinci-Radnici	Preko kože	34.72 mg/kg bw/day
Dugoročno-Lokalni učinci-Radnici	Udisanje	5,7 mg/m³
Dugoročno-Sustavni učinci	Udisanje	2,41 mg/m³
Dugoročno-Sustavni učinci-Radnici	Udisanje	5,7 mg/m³
Dugoročno-Sustavni učinci-Radnici	Udisanje	8.07 mg/m³

Propane-1,2-diol

Trajanje:	**Način izlaganja:**	**DNEL:**
Dugoročno-Lokalni učinci	Udisanje	10 mg/m³
Dugoročno-Lokalni učinci-Opća populacija	Udisanje	10 mg/m³
Dugoročno-Lokalni učinci-Radnici	Udisanje	10 mg/m³
Dugoročno-Lokalni učinci-Radnici	Udisanje	10 mg/m³
Dugoročno-Sustavni učinci-Opća populacija	Udisanje	50 mg/m³
Dugoročno-Sustavni učinci-Opća populacija	Udisanje	50 mg/m³
Dugoročno-Sustavni učinci-Radnici	Udisanje	168 mg/m³
Dugoročno-Sustavni učinci-Radnici	Udisanje	168 mg/m³

PNEC

2-fenoksietanol

Način izlaganja:	**Trajanje izloženosti:**	**PNEC:**
Morska voda		0.0943 mg/L
Postrojenje za tretiranje otpadne vode		24,8 mg/L
Postrojenje za tretiranje otpadne vode	Jednostruko	36 mg/L
Sediment morske vode		0,7237 mg/kg
Slatka voda		0,943 mg/L
Slatkovodni sediment		7.2366 mg/kg
Tlo		1,26 mg/kg

Propane-1,2-diol

Način izlaganja:	**Trajanje izloženosti:**	**PNEC:**
Postrojenje za tretiranje otpadne vode		20000 mg/L
Sediment morske vode		26 mg/L
Sediment morske vode		57,2 mg/kg TG
Sediment morske vode		26 mg/L
Slatkovodni sediment		572 mg/kg TG
Tlo		50 mg/kg TG
Voda		260 mg/L

8.2. ▼Nadzor nad izloženošcu

Redovito se treba provjeravati poštuju li se propisana ograničenja koja se odnose na izlaganje.

Opce preporuke:

U radnim prostorijama nije dopušteno pušenje, konzumiranje hrane ili napitaka, kao ni čuvanje duhanskih proizvoda, hrane ili napitaka.

Uvjeti pri izlaganju:

Za ovaj proizvod nisu implementirani scenariji izloženosti.

Ogranicenja vezana uz izlaganje:

Poduzetnici trebaju raditi u skladu sa zakonskim propisima o radnom okružju koji se odnose na maksimalne koncentracije tvari kojima se radnici smiju izlagati.

Odgovarajuce tehnicke mjere:
Stvaranje pare mora biti minimalno i ispod trenutnih graničnih vrijednosti (vidi gore). Preporučuje se ugradnja lokalnog ispušnog sustava ako normalan protok zraka u radnoj sobi nije dovoljan. Osigurajte da stanice za hitno ispiranje očiju i tuševi budu jasno označeni.
Primijenite standardne mjere opreza tijekom uporabe proizvoda. Izbjegavati udisanje para.

▼*Higijenske mjere:*
Operite ruke nakon uporabe.

Mjere opreza za izbjegavanje zagadenja okoliša:
Nema posebnih uvjeta.

Osobne mjere zaštite kao što je osobna zaštitna oprema

Opcenito:
Koristite isključivo zaštitnu opremu s oznakom CE.

Oprema za disanje:

Tip	Klasa	Boje	Norme	
Nema posebnih uvjeta pri uporabi u skladu s namjenom.				

Zaštita kože:

Preporučuje se	Tip/Kategorija	Norme	
Nema posebnih uvjeta pri uporabi u skladu s namjenom	-	-	

Zaštita ruku:

Radna situacija	Tvar	Minimalna debljina sloja (mm)	Vrijeme prodiranja kemikalije (min.	Norme	
U slučaju produljenog izlaganja ili visokih koncentracija	Nema posebnih uvjeta pri uporabi u skladu s namjenom	-	-	-	
	Nitril	0.35			

Oci:

Radna situacija	Tip	Norme	
	Nema posebnih uvjeta pri uporabi u skladu s namjenom.	-	
U slučaju produljenog izlaganja ili visokih koncentracija	Nosite sigurnosne naočale s bočnim štitnicima.	EN166	

ODJELJAK 9.: FIZIKALNA I KEMIJSKA SVOJSTVA

9.1. Informacije o osnovnim fizikalnim i kemijskim svojstvima

Oblik:
Tekućina

▼*Boje:*
Bezbojna

Miris / Prag mirisa (ppm):
Karakterističan

pH:
ca. 9.0

Gustoca (g/cm³):
1,04 (20 °C)

Kinematička viskoznost:
Podaci nisu dostupni.

Svojstva čestica:
Ne primjenjuje se na tekućine.

Izmjene faza

talište/ledište (°C):
Podaci nisu dostupni.

Točka/raspon temperatura pri kojima dolazi do omekšavanja (°C):
Ne primjenjuje se na tekućine.

Tocka kljucanja (°C):
Podaci nisu dostupni.

Tlak isparenja:
Podaci nisu dostupni.

relativna gustoća pare:
Podaci nisu dostupni.

Temperatura raspada (°C):
Podaci nisu dostupni.

Podaci o opasnostima od požara i eksplozije

Tocka zapaljenja (°C):
Podaci nisu dostupni.

Zapaljivost (°C):
Podaci nisu dostupni.

Temperatura samozapaljenja (°C):
Podaci nisu dostupni.

Eksplozivni prag (Vol %):
Podaci nisu dostupni.

Topljivost

Topljivost u vodi:
Potpuno topiva

n-oktanol/vodeni koeficijent (LogKow):
Podaci nisu dostupni.

Topljivost u masnoci (g/L):
Podaci nisu dostupni.

9.2. Ostale informacije

Drug fizikalni i kemijski parametri:
Podaci nisu dostupni.

Oksidirajuća svojstva:
Podaci nisu dostupni.

ODJELJAK 10.: STABILNOST I REAKTIVNOST

10.1. Reaktivnost
Podaci nisu dostupni.

10.2. Kemijska stabilnost
Proizvod je stabilan pod uvjetima koji su navedeni u odjeljku 7 "Rukovanje i skladištenje".

10.3. Mogucnost opasnih reakcija
Nitko poznat.

10.4. Uvjeti koje treba izbjegavati
Nitko poznat.

10.5. Inkompatibilni materijali
Jake kiseline, jake lužine, jaka oksidirajuća sredstva i jaka redukcijska sredstva.

10.6. Opasni proizvodi raspadanja
U normalnim uvjetima skladištenja i uporabe ne bi trebalo doći do stvaranja opasnih produkata raspadanja.

ODJELJAK 11.: TOKSIKOLOŠKE INFORMACIJE

11.1. Informacije o razredima opasnosti kako su definirani u Uredbi (EZ) br. 1272/2008

Autna toksicnost

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	>20000 mg/kg

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Kunić
Način izlaganja:	Preko kože
Test:	LD50
Rezultat:	>2000 mg/kg

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Štakor
Način izlaganja:	Udisanje
Test:	LC50
Rezultat:	44.9 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 401
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	>5.000 mg/kg

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 402
Vrste:	Štakor
Način izlaganja:	Preko kože
Test:	LD50
Rezultat:	>2.000 mg/kg

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vrste:	Štakor
Način izlaganja:	Preko kože
Test:	LD50
Rezultat:	>2000 mg/kg

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	>2000 mg/kg

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vrste:	Štakor

Način izlaganja:	Preko kože
Test:	LD50
Rezultat:	>2000 mg/kg

Proizvod/sastojak	2-fenoksietanol
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	1840 mg/kg

Proizvod/sastojak	2-fenoksietanol
Vrste:	Kunić
Način izlaganja:	Preko kože
Rezultat:	>5000 mg/kg

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Nagrizanje/iritacija kože

Proizvod/sastojak	Propane-1,2-diol
Rezultat:	Nisu uočeni štetni učinci (Nije iritantno)

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda ispitivanja:	OECD 404
Vrste:	Zamorac
Rezultat:	Uočeni štetni učinci (Iritirajuće)

Proizvod/sastojak	2-fenoksietanol
Rezultat:	Uočeni štetni učinci (Korozivno)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Ozbiljno oštecenje/iritacija oka

Proizvod/sastojak	Propane-1,2-diol
Rezultat:	Uočeni štetni učinci (Blago iritirajuće)

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Rezultat:	Uočeni štetni učinci (Uzrokuje teške ozljede oka)

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 404
Vrste:	Kunić
Rezultat:	Uočeni štetni učinci (Blago iritirajuće)

Proizvod/sastojak	2-fenoksietanol
Rezultat:	Uočeni štetni učinci (Uzrokuje teške ozljede oka)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Senzitizacija dišnih puteva

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Senzitizacija kože

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Mutacija spolnih celija

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Kancerogenost

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Toksicnost za reproduktivni sustav

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

STOT-pojedinacno izlaganje

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

STOT-ucestalo izlaganje
Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Opasnost od udisanja
Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

11.2. Informacije o drugim opasnostima

Dugorocno djelovanje
Nitko poznat.

Svojstva endokrine disrupcije
Ova smjesa/proizvod ne sadrži nikakve tvari za koje se smatra da imaju svojstva izazivanja hormonskog poremećaja.

Ostale informacije
Nitko poznat.

ODJELJAK 12.: EKOLOŠKE INFORMACIJE

12.1. Toksicnost

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Riba, Oncorhynchus mykiss
Trajanje:	96 sati
Test:	LC50
Rezultat:	40613 mg/L

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Ljuskar, Ceriodaphnia Dubia
Trajanje:	48 sati
Test:	LC50
Rezultat:	18340 mg/L

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Ljuskar, Ceriodaphnia Dubia
Trajanje:	7 dana
Test:	NOEC
Rezultat:	13020 mg/L

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Alge, Pseudokirchneriella subcapitata
Trajanje:	96 sati
Test:	ErC50
Rezultat:	19000 mg/L

Proizvod/sastojak	Propane-1,2-diol
Vrste:	Bakterije, Pseudomonas putida
Trajanje:	18 hours
Test:	NOEC
Rezultat:	>20000 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 203
Vrste:	Riba, Pimephales promelas
Test:	LC50
Rezultat:	>1-10 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 202
Vrste:	Ljuskar, Daphnia magna

Test:	EC50
Rezultat:	>1-10 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 201
Vrste:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Rezultat:	>1-10 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 209
Vrste:	Pseudomonas putida
Segment okoliša:	Postrojenje aktivnog mulja
Test:	EC0
Rezultat:	>100 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 210
Vrste:	Riba
Test:	NOEC
Rezultat:	>0,1-1 mg/L

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda ispitivanja:	OECD 211
Vrste:	Ljuskar, Daphnia magna
Test:	NOEC
Rezultat:	>0,1-1 mg/L

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda ispitivanja:	OECD 201
Vrste:	Alge
Segment okoliša:	Slatka voda
Trajanje:	72 sati
Test:	EC50
Rezultat:	410 mg/L

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda ispitivanja:	OECD 203
Vrste:	Riba
Segment okoliša:	Slatka voda
Trajanje:	96 sati
Test:	LC50
Rezultat:	2,9 mg/L

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda ispitivanja:	OECD 201
Vrste:	Alge
Segment okoliša:	Slatka voda
Trajanje:	72 sati
Test:	NOEC
Rezultat:	4,9 mg/L

Proizvod/sastojak	2-fenoksietanol
Vrste:	Riba
Trajanje:	96 sati
Test:	LC50
Rezultat:	>100 mg/L

Proizvod/sastojak	2-fenoksietanol
Vrste:	Alge
Trajanje:	72 sati
Test:	ErC50
Rezultat:	>100 mg/L

Proizvod/sastojak	2-fenoksietanol
Vrste:	Daphnia magna
Trajanje:	48 sati
Test:	EC50
Rezultat:	>100 mg/L

Proizvod/sastojak	2-fenoksietanol
Vrste:	Riba
Test:	NOEC
Rezultat:	23 mg/L

Proizvod/sastojak	2-fenoksietanol
Vrste:	Andere waterorganismen
Trajanje:	30 minutes
Test:	EC50
Rezultat:	>1000 mg/L

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

12.2. Postojanost i razgradivost

Proizvod/sastojak	Propane-1,2-diol
Rezultat:	96%
Zaključak:	Laka biorazgradivost

Proizvod/sastojak	Propane-1,2-diol
Trajanje:	28 dana
Rezultat:	81 %
Zaključak:	Laka biorazgradivost

Proizvod/sastojak	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zaključak:	Laka biorazgradivost

Proizvod/sastojak	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zaključak:	Laka biorazgradivost

Proizvod/sastojak	2-fenoksietanol
Rezultat:	>70
Zaključak:	Laka biorazgradivost
Test:	OECD 301 A

Tenzidi u ovom pripravku u skladu su s kriterijima biorazgradivosti koji su propisani Uredbom (EZ) br. 648/2004 o deterdžentima. Podaci koji potkrepljuju ovu izjavu dostupni su nadležnim vlastima država Članica, na njihov direktni zahtjev ili na zahtjev proizvođača deterdženata.

12.3. Bioakumulacijski potencijal

Proizvod/sastojak	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Zaključak:	Nema potencijala bioakumulacije

Proizvod/sastojak	2-fenoksietanol
BCF:	0.349
LogKow:	1.2
Zaključak:	-

12.4. Pokretljivost u tlu
Podaci nisu dostupni.

12.5. Rezultati ocjenjivanja svojstava PBT i vPvB
Ova mješavina/proizvod ne sadrži nikakve tvari za koje se smatra da ispunjavaju kriterije po kojima ih se klasificira kao PBT i/ili vPvB.

12.6. Svojstva endokrine disrupcije
Ova smjesa/proizvod ne sadrži nikakve tvari za koje se kada se nađu unutar okoliša smatra da imaju svojstva ometanja endokrinog sustava.

12.7. Ostali štetni ucinci
Nitko poznat.

ODJELJAK 13.: ZBRINJAVANJE

13.1. Metode obrade otpada
Ovaj proizvod nije reguliran propisima o opasnom otpadu.
Uredba Komisije (EU) br. 1357/2014 od 18. prosinca 2014 o otpadu.

EWC šifra:
20 01 30 Ostali deterdženti nespomenuti u 20 01 29

Kontaminirano pakiranje
Pakiranja u kojima se nalaze ostaci proizvoda moraju se odložiti kao otpad na isti način kao i sam proizvod.

ODJELJAK 14.: INFORMACIJE O PRIJEVOZU

	14.1 UN	14.2 Ispravno otpremno ime prema UN-u	14.3 Razred(i) opasnosti pri prijevozu	14.4 PG*	14.5. Env**	Ostale informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina pakiranja

** Opasnosti za okoliš

Dodatne informacije
Prema ADR, IATA i IMDG propisima, proizvod nije uvršten u popis opasnih tvari.

14.6. Posebne mjere opreza za korisnika
Nije primjenljivo.

14.7. Prijevoz morem u razlivenom stanju u skladu s instrumentima IMO-a
Podaci nisu dostupni.

ODJELJAK 15.: INFORMACIJE O PROPISIMA

15.1. Propisi u podrucju sigurnosti, zdravlja i okoliša/posebno zakonodavstvo za tvar ili smjesu

Ogranicenje primjene:
Samo za profesionalne korisnike.

Zahtjev za specificnu edukaciju:
Nema posebnih uvjeta.

SEVESO - Kategorije opashnih tvari / Imena opasnih tvari:
Nije primjenljivo.

Označavanje sadržaja prema Pravilniku o deterdžentima 648/2004:

>15% - <30%
· Neionski surfaktanti
< 5%
· Amfoterni sufraktanti
· Anionski surfaktanti
· Konzervansa (PHENOXYETHANOL)

Dodatne informacije:

Tenzidi u ovom pripravku u skladu su s kriterijima biorazgradivosti koji su propisani Uredbom (EZ) br. 648/2004 o deterdžentima. Podaci koji potkrepljuju ovu izjavu dostupni su nadležnim vlastima država Članica, na njihov direktni zahtjev ili na zahtjev proizvođača deterdženata.

Izvori:

Uredba (EZ) br. 648/2004 Europskog Parlamenta i Vijeća od 31. ožujka 2004. o deterdžentima.
Uredba Komisije (EU) br. 1357/2014 od 18. prosinca 2014 o otpadu.
Uredba (EZ) br. 1272/2008 Europskog Parlamenta i Vijeća od 16. prosinca 2008. o razvrstavanju, označivanju i pakiranju tvari i smjesa (CLP).
UREDBA (EZ) br. 1907/2006 EUROPSKOG PARLAMENTA I VIJEĆA od 18. prosinca 2006 o registraciji, evaluaciji, autorizaciji i ograničavanju kemikalija (REACH).

15.2. Procjena kemijske sigurnosti

Ne

ODJELJAK 16.: OSTALE INFORMACIJE

Puni tekst H-fraza navedenih u Odjeljak 3

H302, Štetno ako se proguta.
H315, Nadražuje kožu.
H318, Uzrokuje teške ozljede oka.
H319, Uzrokuje jako nadraživanje oka.
H335, Može nadražiti dišni sustav; ili.
H412, Štetno za vodeni okoliš s dugotrajnim učincima.

Kratice i akronimi

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = Europski sporazum u vezi s internacionalnim prijevozom opasne robe cestom
ATE = Visoko procijenjena toksičnost
BKF = Biokoncentracijski faktor
CAS = Baza kemijskih podataka
CE = Conformité Européenne
CLP = Regulacija klasifikacije, označavanja i pakiranja [Uredba (EZ) Br. 1272/2008]
CSA = Kemijska procjena sigurnosti
CSR = Izvještaj o kemijskoj sigurnosti
DNEL = Izvedeni stupanj bez učinka
EINECS = Europski popis postojećih komercijalnih kemijskih tvari
ES = Količina izloženosti
EUH izvještaj = CLP-specifičan izvještaj o opasnosti
EuPCS = Europski sustav kategorizacije proizvoda
EWC = Europski popis otpadnih tvari
GHS = Globalno usuglašeni sistem klasifikacije i označavanja kemikalija
GWP = Potencijal globalnog zagrijavanja
IATA = Internacionalno udruženje zračnog transporta
IBC = Kontejner srednjeg obujma
IMDG = Internacionalne pomorski opasne tvari
LogPow = logaritam koeficijenta razdjeljenja između oktanola i vode
MARPOL = Internacionalna konvencija za prevenciju zagađivanja od brodova, 1973 modificirano protokolom iz 1978. ("Marpol" = zagađenje mora)
OECD = Organizacija za ekonomsku suradnju i razvoj
PBT = Postojan, bioakumulativni i toksični
PNEC = Predviđena koncentracija bez efekta
RID = Uredba u vezi internacionalnog prijevoza opasnih tvari željezničkim putem

RRN = REACH Registracijski broj
SCL = Specifičnu granicu koncentracije.
SVHC = Tvari vrlo visoke važnosti
STOT-RE = Specifično ciljana organska toksičnost - Ponovljeno izlaganje
STOT-SE = Specifično ciljana organska toksičnost - Jednokratno izlaganje
TWA = Vremenski ponderirani prosjek
UVCB = Su tvari nepoznatog ili promjenljivog sastava, složeni reakcijski proizvodi ili biološki materijali.
UN = Ujedinjeni Narodi
VOC = Hlapljivi organski spojevi
vPvB = Vrlo otporno i vrlo bioakumulativno

Dodatne informacije
Nije primjenljivo.

Sigurnosno-tehnicki list potvrden je od strane
Quality & Compliance

Ostalo
Izmjena (u odnosu na posljednju ključnu izmjenu SDS inačice) označena je trokutom.
Informacije u ovom sigurnosno-tehničkom listu odnose se samo na ovaj proizvod (naveden je u odjeljak 1) i možda neće biti primjeren za uporabu s drugim kemikalijama/proizvodima.
Preporuča se prosljeđivanje ovog sigurnosno-tehničkog lista stvarnom korisniku proizvoda. Informacije navedene u ovom sigurnosno-tehničkom listu ne mogu se koristiti kao specifikacija proizvoda.
Država-jezik: HR-hr

BIZTONSÁGI ADATLAP

i.2 kitchen cleaner FlexDose Ultra

1. SZAKASZ: AZ ANYAG/KEVERÉK ÉS A VÁLLALAT/VÁLLALKOZÁS AZONOSÍTÁSA

1.1. Termékazonosító

Terméknév:
i.2 kitchen cleaner FlexDose Ultra

1.2. Az anyag vagy keverék lényeges azonosított felhasználásai, illetve ellenjavallt felhasználásai

Az anyag vagy vegyület lényeges azonosított használatai:
Mosó- és tisztítószerek (beleértve az oldószer alapúakat is)
Kizárólag szakmai felhasználó részére.

Ellenjavallt felhasználása:
Senki sem ismerős.

1.3. A biztonsági adatlap szállítójának adatai

Cég és cím:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Felülvizsgálat:
2025. 08. 05.

BA verziószám:
2.0

Eredeti kiadás dátuma:
2025. 07. 16. (2.0)

1.4. Sürgősségi telefonszám

+36 80 201 199 (0-24 órában, díjmentesen hívható – csak Magyarországról)
Lásd a 4. szakasz: Elsősegélynyújtás.

2. SZAKASZ: A VESZÉLY AZONOSÍTÁSA

2.1. Az anyag vagy keverék besorolása

Az 1272/2008. sz. EK rendelet szerint nem besorolt.

2.2. Címkézési elemek

Veszélyt jelző piktogram(ok):
Nem alkalmazható.

Figyelmeztetés(ek):
Nem alkalmazható.

Figyelmeztető mondat(ok):

Nem alkalmazható.

Óvintézkedésre vonatkozó mondatok:

Általános:
-

Megelőzés:
-

Reakció:
-

Tárolás:
-

Hulladékkezelés:
-

Tartalmaz:
Nem tartalmaz olyan anyagokat, amelyek bejelentésre kötelezettek

▼*További címkézés:*
EUH210, Kérésre biztonsági adatlap kapható.
Nem alkalmazható.

A tartalmat a tisztítószerekről szóló 648/2004 számú rendelet szerint kell címkézni. (a lakosság számára értékesített mosószerek csomagolására vonatkozik):

>15% - <30%
· Nem ionos felületaktív anyagok
< 5%
· Amfoter felületaktív anyagok
· Anionos felületaktív anyagok
· Tartósítószer (PHENOXYETHANOL)

2.3. Egyéb veszélyek

További figyelmeztetések:
Ez a keverék/termék nem tartalmaz PBT és/vagy vPvB minősítésű anyagokat.
Ez a termék nem tartalmaz olyan anyagot, ami a Bizottság (EU) 2017/2100 felhatalmazáson alapuló rendeletében vagy a Bizottság (EU) 2023/707 rendeletében meghatározott kritériumokkal összhangban az endokrin rendszert károsító anyagnak tekintendő.

3. SZAKASZ: ÖSSZETÉTEL VAGY AZ ÖSSZETEVŐKRE VONATKOZÓ ADATOK

3.1. Anyagok
Nem alkalmazható. A termék keverék.

3.2. Keverékek

Termék / alkotóelem	Azonosítók	% w/w	Besorolás	Hivatkozás
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-szám: 147170-44-3 EK-szám: 604-575-4 REACH: Indexszám:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-szám: 85536-23-8 EK-szám: REACH: 01-2119565130-50-0000 Indexszám:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxietanol	CAS-szám: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	EK-szám: 204-589-7 REACH: 01-2119488943-21 Indexszám: 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

A H - mondat(ok) teljes szövegét ld. a 16. szakaszban. Az elérhető munkahelyi határértékek listája a 8. szakaszban található.

Egyéb információ:
[19] UVCB = Rövidítés ismeretlen szerkezetű vagy változó összetételű, komplex reakcióban keletkezett vagy biológiai eredetű anyagokat takar.

4. SZAKASZ: ELSŐSEGÉLY-NYÚJTÁSI INTÉZKEDÉSEK

4.1. Az elsősegély-nyújtási intézkedések ismertetése

Általános információ:
Balesetkor hívjon orvost vagy a baleseti ügyeletet - mutassa meg a termék címkéjét vagy ezt a biztonsági adatlapot! Az orvos érintkezésbe léphet az Egészségügyi Toxikológiai Tájékoztató Szolgálattal (Telefon: 06-80-201-199).
Hívjon orvost, ha a sérült személy állapota kétséges, vagy a tünetek nem szűnnek meg! Eszméletlen személynek soha ne adjon vizet vagy hasonlót!

▼*Belégzés:*
Panaszok esetén: vigye a sérültet friss levegőre.

Bőrrel való érintkezés:
Irritáció esetén: öblítse le a terméket. Abban az esetben, ha az irritáció továbbra is fennáll: Forduljon orvoshoz.

▼*Szemmel való érintkezés:*
Óvatosan öblítse ki langyos vízzel. Távolítson el minden kontaktlencsét, ha ez könnyen megtehető. Folytassa az öblítést. Tartós szemirritáció vagy kellemetlen érzés esetén: forduljon orvoshoz.

▼*Lenyelés:*
Öblítse ki alaposan a száját és igyon nagy mennyiségű vizet. Továbbra is fennálló rosszullét esetén: forduljon orvoshoz és hozza magával ezt a bizotnsági adatlapot.

Égések:
Nem alkalmazható.

4.2. A legfontosabb – akut és késleltetett – tünetek és hatások

Senki sem ismerős.

4.3. A szükséges azonnali orvosi ellátás és különleges ellátás jelzése

Kezelje a tüneteknek megfelelően!

Tájékoztató orvosoknak
Vigye ezt a biztonsági adatlapot vagy a termék címkéjét!

5. SZAKASZ: TŰZOLTÁSI INTÉZKEDÉSEK

5.1. Oltóanyag

Nem alkalmazható.

5.2. Az anyaghoz vagy a keverékhez társuló különleges veszélyek

A tűz sűrű, füstöt eredményez. Bomlástermékekkel való érintkezés egészségkárosító lehet. A tűztől felhevült zárt tartályokat vízzel hűtse le! Ne öntsön tűzoltó vizet a csatornába vagy más víz
Ha a termék sugárzó hő hatásának van kitéve, illetve tűz esetén veszélyes bomlástermékek keletkeznek. Ezek: Széndioxidok (CO / CO2)

5.3. Tűzoltóknak szóló javaslat

Nincs különleges követelmény.

6. SZAKASZ: INTÉZKEDÉSEK VÉLETLENSZERŰ KÖRNYEZETBE JUTÁS ESETÉN

6.1. Személyi óvintézkedések, egyéni védoeszközök és vészhelyzeti eljárások
A szennyezett területek csúszósak lehetnek.

6.2. Környezetvédelmi óvintézkedések
Kerülje a termék felszíni/talajvízbe, csatornába, jutását.
Tartsa távol az illetéktelen személyeket a kiömléstől

6.3. A területi elhatárolás és a szennyezésmentesítés módszerei és anyagai
A kiömlött/kifolyt anyagot nem éghető, nedvszívó anyaggal kell felfogni és összegyűjteni, pl. homokkal, földdel, vermikulittal vagy kovaföldde; ezeket gyűjtse össze egy tartályba a helyi előírások szerinti ártalmatlanításhoz.
Ameddig lehet, csak normál tisztítószerrel tisztítsunk! Kerüljük az oldószereket!

6.4. Hivatkozás más szakaszokra
A hulladékok kezelésére vonatkozóan ld. Az 13 "Ártalmatlanítási szempontok" c. fejezetet!
Az óvintézkedésekre vonatkozóan ld. 8 "Az expozíció elleni védekezés/egyéni védelem" c. fejezetet!

7. SZAKASZ: KEZELÉS ÉS TÁROLÁS

7.1. A biztonságos kezelésre irányuló óvintézkedések
Dohányzás, étel, ital fogyasztása, valamint dohányáru, étel, ital tárolása tilos a munkavégzés helyén!
A személyi óvintézkedésekre vonatkozóan ld. "Az expozíció elleni védekezés/egyéni védelem" c. fejezetet!

7.2. ▼A biztonságos tárolás feltételei, az esetleges összeférhetetlenséggel együtt

A csomagolóanyagok kompatibilitása:
Az eredeti csomagolásban tartandó.

Tárolási feltételek:
Száraz, hűvös és jól szellőzött

Összeférhetetlenség:
Erős savak, lúgok, erős oxidálódó és bomlástermékek.

7.3. Meghatározott végfelhasználás (végfelhasználások)
A terméket csak az 1.2 fejezetben leírt célokra szabad használni!

8. SZAKASZ: AZ EXPOZÍCIÓ ELLENI VÉDEKEZÉS/EGYÉNI VÉDELEM

8.1. Ellenőrzési paraméterek
A termék nem tartalmaz a munkahelyi expozíciós határokkal rendelkező anyagok magyar listáján felsorolt anyagokat.

DNEL
2-fenoxietanol

Időtartam:	Expozíciós út:	DNEL:
Hosszú távú – helyi hatások – munkavállalók	Belélegzés	5,7 mg/m³
Hosszú távú – szisztémás hatások	Belélegzés	2,41 mg/m³
Hosszú távú – szisztémás hatások – munkavállalók	Belélegzés	5,7 mg/m³
Hosszú távú – szisztémás hatások – munkavállalók	Belélegzés	8.07 mg/m³
Hosszú távú – szisztémás hatások	Bőrön át	10,42 mg/kg
Hosszú távú – szisztémás hatások – általános lakosság	Bőrön át	20,83 mg/kg
Hosszú távú – szisztémás hatások – munkavállalók	Bőrön át	34.72 mg/kg/nap
Hosszú távú	Szájon át	9,23 mg/kg

PNEC
2-fenoxietanol

Expozíciós út:	Expozíció időtartama:	PNEC:
Édesvíz		0,943 mg/L
Édesvízi üledék		7.2366 mg/kg
Szennyvízkezelő telep		24,8 mg/L
Szennyvízkezelő telep	Egyszeri	36 mg/L
Talaj		1,26 mg/kg
Tengervíz		0.0943 mg/L
Tengervízi üledék		0,7237 mg/kg

8.2. ▼Az expozíció elleni védekezés

Használjon általános szabályozást a szükségtelen expozíció megelőzése érdekében.

Általános javaslatok:

Dohányzás, étel, ital fogyasztása, valamint dohányáru, étel, ital tárolása tilos a munkavégzés helyén!

Expozíciós forgatókönyv:

A termékre vonatkozóan nem dolgoztak ki expozíciós forgatókönyvet.

Expozíciós hatásrok:

A termékben megtalálható anyagokra nincs előírva maximum expozíciós határ.

Megfelelő műszaki intézkedések:

A termék használatakor végezze el a szokásos óvintézkedéseket. Kerülje el a gőzök belégzését.

▼*Higiéniai intézkedések:*

Használat után mosson kezet.

A környezeti expozíció ellnőrzése:

Nincs különleges követelmény.

Egyéni óvintézkedések, úgy mint személyi védőfelszerelések

Általánosan:

Kizárólag CE jelzéssel ellátott védőfelszerelést használjon.

Légutak védelme:

Típus	Osztály	Szín	Szabványokra	
Semmilyen speciális, amikor a rendeltetésnek megfelelően használják.				

Bőrvédelem:

Ajánlott	Típusú/Kategóriájú	Szabványokra	
Semmilyen speciális, amikor a rendeltetésnek megfelelően használják	-	-	

Kézvédelem:

Munkaállomás	Anyag	Minimális réteg vastagság (mm)	Áteresztési ideje (percig)	Szabványokra	
Hosszú ideig tartó expozíció vagy magas koncentrációk esetén	Semmilyen speciális, amikor a rendeltetésnek megfelelően használják	-	-	-	
	Nitril	0.35			

Szemvédelem:

Munkaállomás	Típus	Szabványokra	
	Semmilyen speciális, amikor a rendeltetésnek megfelelően használják.	-	
Hosszú ideig tartó expozíció vagy magas koncentrációk esetén	Viseljen oldalvédővel rendelkező védőszemüveget!	EN166	

9. SZAKASZ: FIZIKAI ÉS KÉMIAI TULAJDONSÁGOK

9.1. Az alapvető fizikai és kémiai tulajdonságokra vonatkozó információk

Forma:
Folyékony

▼*Szín:*
Színtelen

Szag / Szagküszöbérték (ppm):
Jellegzetes

pH:
ca. 9.0

Sűrűség (g/cm³):
1,04 (20 °C)

Kinematikus viszkozitás:
Nincs erre vonatkozó adat.

Részecskejellemzők:
Folyadékokra nem alkalmazandó.

Halmazállapot változások

Olvadáspont/fagyáspont (°C):
Nincs erre vonatkozó adat.

Lágyuláspont/lágyulásponttartomány (°C):
Folyadékokra nem alkalmazandó.

Forráspont (°C):
Nincs erre vonatkozó adat.

Gőzsűrűség:
Nincs erre vonatkozó adat.

Relatív gőzsűrűség:
Nincs erre vonatkozó adat.

Bomlási hőmérséklet (°C):
Nincs erre vonatkozó adat.

Tűz-és robbanásveszélyességi adatok

Lobbanási pont (°C):
Nincs erre vonatkozó adat.

Tűzveszélyesség (°C):
Nincs erre vonatkozó adat.

Öngyulladási hőmérséklet (°C):
Nincs erre vonatkozó adat.

Lobbanási határ (% v/v):
Nincs erre vonatkozó adat.

Oldódás

Vízben oldódás:

Teljes mértékben oldódik

n-octanol/vízzel együttható (LogKow):
Nincs erre vonatkozó adat.

Zsírban oldódás (g/L):
Nincs erre vonatkozó adat.

9.2. Egyéb információk

Egyéb fizikai vagy kémiai paramétereket:
Nincs erre vonatkozó adat.

Oxidációs jellemzők:
Nincs erre vonatkozó adat.

10. SZAKASZ: STABILITÁS ÉS REAKCIÓKÉSZSÉG

10.1. Reakciókészség
Nincs erre vonatkozó adat.

10.2. Kémiai stabilitás
A 7 "Kezelés és tárolás" fejezetben leírt körülmények között a termék szilárd.

10.3. A veszélyes reakciók lehetosége
Senki sem ismerős.

10.4. Kerülendő körülmények
Senki sem ismerős.

10.5. Nem összeférhető anyagok
Erős savak, lúgok, erős oxidálódó és bomlástermékek.

10.6. Veszélyes bomlástermékek
Normál tárolási és felhasználási körülmények között veszélyes bomlástermékek nem keletkezhetnek.

11. SZAKASZ: TOXIKOLÓGIAI ADATOK

11.1. Az 1272/2008/EK rendeletben meghatározott, veszélyességi osztályokra vonatkozó információk

Akut toxicitás

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 401
Fajták:	Patkány
Expozíció iránya:	Szájon át
Teszt:	LD50
Eredmény:	>5.000 mg/kg

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 402
Fajták:	Patkány
Expozíció iránya:	Bőrön át
Teszt:	LD50
Eredmény:	>2.000 mg/kg

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Fajták:	Patkány
Expozíció iránya:	Bőrön át
Teszt:	LD50
Eredmény:	>2000 mg/kg

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Fajták:	Patkány

Expozíció iránya:	Szájon át
Teszt:	LD50
Eredmény:	>2000 mg/kg

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Fajták:	Patkány
Expozíció iránya:	Bőrön át
Teszt:	LD50
Eredmény:	>2000 mg/kg

Termék / alkotóelem	2-fenoxietanol
Fajták:	Patkány
Expozíció iránya:	Szájon át
Teszt:	LD50
Eredmény:	1840 mg/kg

Termék / alkotóelem	2-fenoxietanol
Fajták:	Nyúl
Expozíció iránya:	Bőrön át
Eredmény:	>5000 mg/kg

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Bőrirritáció

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vizsgálati módszer:	OECD 404
Fajták:	Tengerimalac
Eredmény:	Káros hatások figyelhetők meg (Irritáló)

Termék / alkotóelem	2-fenoxietanol
Eredmény:	Káros hatások figyelhetők meg (Korrozív)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Súlyos szemkárosodás/szemirritáció

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Eredmény:	Káros hatások figyelhetők meg (Súlyos szemkárosodást okoz)

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 404
Fajták:	Nyúl
Eredmény:	Káros hatások figyelhetők meg (Enyhén irritáló)

Termék / alkotóelem	2-fenoxietanol
Eredmény:	Káros hatások figyelhetők meg (Súlyos szemkárosodást okoz)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Légzőszervi szenzibilizáció

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Bőrszenzibilizáció

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Csírasejt-mutagenitás

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Rákkeltő hatás

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Reprodukciós toxicitás

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Egyetlen expozíció utáni célszervi toxicitás (STOT)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Ismétlődő expozíció utáni célszervi toxicitás (STOT)
A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Aspirációs veszély
A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

11.2. Egyéb veszélyekkel kapcsolatos információ

Hosszantartó hatások
Senki sem ismerős.

Endokrin károsító tulajdonságok
A keverék/termék nem tartalmaz az egészséggel kapcsolatban hormonzavaró tulajdonságokkal rendelkező anyagokat.

Egyéb információk
Senki sem ismerős.

12. SZAKASZ: ÖKOLÓGIAI ADATOK

12.1. Toxicitás

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 203
Fajták:	Hal, Pimephales promelas
Teszt:	LC50
Eredmény:	>1-10 mg/L

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 202
Fajták:	Rákféle, Daphnia magna
Teszt:	EC50
Eredmény:	>1-10 mg/L

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 201
Fajták:	Andere waterorganismen, Desmodesmus subspicatus
Teszt:	EC50
Eredmény:	>1-10 mg/L

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 209
Fajták:	Pseudomonas putida
Környezeti közeg:	Eleveniszap-kezelő telep
Teszt:	EC0
Eredmény:	>100 mg/L

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 210
Fajták:	Hal
Teszt:	NOEC
Eredmény:	>0,1-1 mg/L

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Vizsgálati módszer:	OECD 211
Fajták:	Rákféle, Daphnia magna
Teszt:	NOEC

Eredmény:	>0,1-1 mg/L

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vizsgálati módszer:	OECD 201
Fajták:	Alga
Környezeti közeg:	Édesvíz
Időtartam:	72 órás
Teszt:	EC50
Eredmény:	410 mg/L

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vizsgálati módszer:	OECD 203
Fajták:	Hal
Környezeti közeg:	Édesvíz
Időtartam:	96 órás
Teszt:	LC50
Eredmény:	2,9 mg/L

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vizsgálati módszer:	OECD 201
Fajták:	Alga
Környezeti közeg:	Édesvíz
Időtartam:	72 órás
Teszt:	NOEC
Eredmény:	4,9 mg/L

Termék / alkotóelem	2-fenoxietanol
Fajták:	Hal
Időtartam:	96 órás
Teszt:	LC50
Eredmény:	>100 mg/L

Termék / alkotóelem	2-fenoxietanol
Fajták:	Alga
Időtartam:	72 órás
Teszt:	ErC50
Eredmény:	>100 mg/L

Termék / alkotóelem	2-fenoxietanol
Fajták:	Daphnia magna
Időtartam:	48 órás
Teszt:	EC50
Eredmény:	>100 mg/L

Termék / alkotóelem	2-fenoxietanol
Fajták:	Hal
Teszt:	NOEC
Eredmény:	23 mg/L

Termék / alkotóelem	2-fenoxietanol
Fajták:	Andere waterorganismen
Időtartam:	30 minutes
Teszt:	EC50
Eredmény:	>1000 mg/L

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

12.2. Perzisztencia és lebonthatóság

Termék / alkotóelem	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Következtetés:	Könnyű biolebonthatóság

Termék / alkotóelem	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Következtetés:	Könnyű biolebonthatóság

Termék / alkotóelem	2-fenoxietanol
Eredmény:	>70
Következtetés:	Könnyű biolebonthatóság
Teszt:	OECD 301 A

A preparátumban található felületaktív anyagok(k) megfelel(nek) a tisztítószerekre vonatkozó, (EC) No.648/2004 számú szabályzatban lefektetett biológiai lebomlási kritériumoknak. Az ezt alátámasztó adatok mindenkor a Tagállamok illetékes szerveinek a rendelkezésére állnak, és közvetlen kérésükre vagy a tisztítószer gyártó kérésére megtekinthetők.

12.3. Bioakkumulációs képesség

Termék / alkotóelem	2-fenoxietanol
BKF:	0.349
LogKow:	1.2
Következtetés:	-

12.4. A talajban való mobilitás

Nincs erre vonatkozó adat.

12.5. A PBT- és a vPvB-értékelés eredményei

Ez a keverék/termék nem tartalmaz PBT és/vagy vPvB minősítésű anyagokat.

12.6. Endokrin károsító tulajdonságok

A keverék/termék nem tartalmaz a környezettel kapcsolatban endokrin-romboló tulajdonságokkal rendelkező anyagokat.

12.7. Egyéb káros hatások

Senki sem ismerős.

13. SZAKASZ: ÁRTALMATLANÍTÁSI SZEMPONTOK

13.1. Hulladékkezelési módszerek

Ez a termék nincs a veszélyes hulladékok közé besorolva.
Veszélyes hulladékok: 2012. évi CLXXXV. törvény a hulladékról. 225/2015. (VIII. 7.) Korm. rendelet a veszélyes hulladékkal kapcsolatos egyes tevékenységek részletes szabályairól.

EWC kód:

20 01 30 Mosószerek, amelyek különböznek a 20 01 29-től

Szennyezett csomagolás

Maradékot tartalmazó tartályt úgyanúgy ártalmatlanítsuk, mint magát a terméket!

14. SZAKASZ: SZÁLLÍTÁSRA VONATKOZÓ INFORMÁCIÓK

	14.1 UN	14.2 Az ENSZ szerinti megfelelő szállítási megnevezés	14.3 Szállítási veszélyességi osztály(ok)	14.4 PG*	14.5. Env**	Egyéb információ:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Csomagolási csoport

** Környezeti veszélyek

Egyéb információ

Az ADR, IATA és az IMDG szabvány szerint nem tartozik a veszélyes áruk körébe.

14.6. A felhasználót érintő különleges óvintézkedések
Nem alkalmazható.

14.7. Az IMO-szabályok szerinti tengeri ömlesztett szállítás
Nincs erre vonatkozó adat.

15. SZAKASZ: SZABÁLYOZÁSSAL KAPCSOLATOS INFORMÁCIÓK

15.1. Az adott anyaggal vagy keverékkel kapcsolatos biztonsági, egészségügyi és környezetvédelmi előírások/jogszabályok

Alkalmazási korlátozások:
Kizárólag szakmai felhasználó részére.

Specifikus oktatásra vonatkozó követelmények:
Nincs különleges követelmény.

SEVESO - A veszelyes anyagok kategóriái / Megnevezett veszélyes anyagok:
Nem alkalmazható.

A tartalmat a tisztítószerekről szóló 648/2004 számú rendelet szerint kell címkézni.:

>15% - <30%
· Nem ionos felületaktív anyagok
< 5%
· Amfoter felületaktív anyagok
· Anionos felületaktív anyagok
· Tartósítószer (PHENOXYETHANOL)

Egyéb információ:
A preparátumban található felületaktív anyagok(k) megfelel(nek) a tisztítószerekre vonatkozó, (EC) No.648/2004 számú szabályzatban lefektetett biológiai lebomlási kritériumoknak. Az ezt alátámasztó adatok mindenkor a Tagállamok illetékes szerveinek a rendelkezésére állnak, és közvetlen kérésükre vagy a tisztítószer gyártó kérésére megtekinthetők.

Források:
Az Európai Parlament és a Tanács 648/2004/EK rendelet (2004. március 31.) a mosó- és tisztítószerekről.
Veszélyes hulladékok: 2012. évi CLXXXV. törvény a hulladékról. 225/2015. (VIII. 7.) Korm. rendelet a veszélyes hulladékkal kapcsolatos egyes tevékenységek részletes szabályairól.
Munkavédelem: 1993 évi XCIII. törvény a munkavédelemről és az ehhez kapcsolódó rendeletek.
5/2020 (II.6.) ITM rendelet a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről.
Az Európai Parlament és a Tanács 1272/2008/EK rendelet (2008. december 16.) az anyagok és keverékek osztályozásáról, címkézéséről és csomagolásáról (CLP).
Az Európai Parlament és a Tanács 1907/2006/EK rendelete (2006. december 18 .) a vegyi anyagok regisztrálásáról, értékeléséről, engedélyezéséről és korlátozásáról (REACH).

15.2. Kémiai biztonsági értékelés
Nincs

16. SZAKASZ: EGYÉB INFORMÁCIÓK

A H mondatok teljes szövege,ahogyan a 3. szakaszban is említve volt
H302, Lenyelve ártalmas.
H315, Bőrirritáló hatású.
H318, Súlyos szemkárosodást okoz.
H319, Súlyos szemirritációt okoz.
H335, Légúti irritációt okozhat.
H412, Ártalmas a vízi élővilágra, hosszan tartó károsodást okoz.

Rövidítések és betűszavak
ADN = A Veszélyes Áruk Nemzetközi Belvízi Szállításáról szóló Európai Egyezmény
ADR = A Veszélyes Áruk Nemzetközi Közúti Szállításáról szóló Európai Egyezmény

ATE = Akut Toxicitás Becslése
BCF = Bio-koncentrációs Faktor
CAS = Vegyianyag Nyilvántartási Szolgálat
CE = Európai megfelelőség
CLP = Az Európai Parlament és a Tanács Rendelete az Anyagok és Keverékek Besorolásáról, Címkézéséről és Csomagolásáról [EK Rendelet No. 1272/2008]
CSA = Kémiai Biztonsági Értékelés
CSR = Kémiai Biztonsági Jelentés
DNEL = Származtatott Hatásmentes Szint
EINECS = Létező Kereskedelmi Anyagok Európai Jegyzéke
ES = Expozíciós Forgatókönyv
EUH statement = CLP-specifikus Figyelmeztető mondat
EuPCS = Uniós termékbesorolási rendszer
EWC = Európai Hulladék Katalógus
GHS = Vegyi Anyagok Osztályozásának és Címkézésének Globálisan Harmonizált Rendszere
GWP = Globális felmelegedési potenciál
IATA = Nemzetközi Légi Szállítási Szövetség
IBC = Nagyméretű Csomagolóeszköz
IMDG = Veszélyes Áruk Nemzetközi Tengerészeti Kódexe
LogPqw = log oktanol/víz megoszlási együttható
MARPOL = Hajókról történõ Szennyezés Megelõzésérõl szóló és az 1978. évi Jegyzõkönyvvel módosított 1973. évi Nemzetközi Egyezmény. ("Marpol = tengeri szennyezés)
OECD = Gazdasági Együttműködési és Fejlesztési Szervezet
PBT = Perzisztens, Bioakkumulatív és Mérgező
PNEC = Előre látható Hatástalan Koncentráció
RID = Veszélyes Áruk Nemzetközi Vasúti Fuvarozásáról szóló Szabályzat
RRN = REACH Regisztrációs Szám
SCL = A(z) anyagnak egyedi koncentrációs határértéke van.
SVHC = Különös Aggodalomra okot adó Anyagok
STOT-RE = Célszervi Toxicitás - Ismétlődő Expozíció
STOT-SE = Célszervi Toxicitás - Egyszeri Expozíció
TWA = Idővel súlyozott átlagos
UN = Egyesült Nemzetek
UVCB = Ismeretlen szerkezetű vagy változó összetételű, komplex reakcióban keletkezett vagy biológiai eredetű anyagok.
VOC = Illékony Szerves Vegyület
vPvB = Nagyon Perzisztens és Nagyon Bioakkumulatív

▼Egyéb információ

A REACH-rendelet 31. cikke szerint a termékhez nem kötelező biztonsági adatlapot adni. Ez a biztonsági adatlap önkéntes alapon készült, hogy a REACH-rendelet 32. cikkében előírt releváns információkat közreadjuk.

A biztonsági adatlapot jóváhagyta:

Quality & Compliance

Egyéb

A BA (Biztonsági Adatlap) utolsó kiadásához képest történt változást háromszög jelzi.
Ezen biztonsági adatlapban lévő információk kizárólag erre a bizonyos termékre vonatkoznak, (ld. 1. szakasz) és nem szükségszerűen helyes más vegyszerek/termékek használatára.
Javasolt ezen biztonsági adatlap átadása az aktuális termék felhasználónak. Ezen biztonsági adatlapban lévő információk nem használandók termék specifikációként.
Országnyelv: HU-hu

LEMBAR DATA KESELAMATAN

i.2 kitchen cleaner FlexDose Ultra

1: IDENTIFIKASI ZAT/SEDIAAN DAN PERUSAHAAN/YANG MENANGANI

1.1. Pengenal produk

Nama produk:
i.2 kitchen cleaner FlexDose Ultra

1.2. Penggunaan zat atau campuran yang relevan dan penggunaan yang tidak dianjurkan

Pengunaan-penggunaan yang dianjurkan:
Deterjen dan bahan pembersih (termasuk yang berbasis pelarut)
Terbatas untuk penggunaan industri dan para profesional.

Penggunaan yang tidak disarankan:
Tidak diketahui.

1.3. Rincian pemasok lembar data keselamatan

Rincian perusahaan:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:
info@hygeniq.com

Tanggal SDS:
05/08/2025

Versi SDS:
2.0

Tanggal terbitan sebelumnya:
16/07/2025 (2.0)

1.4. Nomor telepon darurat

Jika timbul kondisi darurat, hubungi 112 (layanan 24 jam)
Lihat bagian 4: Tindakan pertolongan pertama

2: IDENTIFIKASI BAHAYA

2.1. Klasifikasi bahaya produk (senyawa / campuran)

Tidak diklasifikasi menurut Nomor peraturan 23/M-IND/PER/4/2013 (GHS).

2.2. Elemen label

Piktogram (simbol bahaya):
Tidak berlaku.

Kata sinyal:
Tidak berlaku.

Pernyataan Bahaya:

Tidak berlaku.

Pernyataan Kehati-hatian:

Umum:
-

Pencegahan:
-

Tanggapan:
-

Penyimpanan:
-

Pembuangan:
-

Komponen-komponen yang berbahaya:
Tidak mengandung bahan apa pun yang perlu dilaporkan

Pelabelan tambahan:
Tidak berlaku.

3: KOMPOSISI / INFORMASI TENTANG BAHAN PENYUSUN SENYAWA TUNGGAL

3.1. Zat
Tidak berlaku. Produk ini adalah campuran.

3.2. Campuran

Produk/bahan	Pengidentifikasi	% w/w	Klasifikasi	Catatan
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS: 147170-44-3 EC: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS: 85536-23-8 EC:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS: 122-99-6 EC: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Lihat teks lengkap frase-H pada bagian 16. Batas paparan kerja tercantum di bagian 8, jika sudah tersedia.

Informasi Lain
UVCB = Komposisi yang bervariasi atau tidak diketahui, produk reaksi kompleks atau material biologis

4: TINDAKAN PERTOLONGAN PERTAMA PADA KECELAKAAN

4.1. Deskripsi langkah-langkah pertolongan pertama

Umum:
Jika terjadi kecelakaan: Hubungi dokter atau bagian kecelakaan – bawa label atau lembar data keselamatan ini. Hubungi dokter jika ragu-ragu dengan kondisi korban cedera atau jika gejalanya terus berlanjut. Jangan sekali-kali

memberi minum korban tak sadarkan diri dengan air putih atau minuman lain.

Penghirupan:
Jika badan terasa tidak nyaman: bawa penderita ke tempat berudara segar.

Kena kulit:
Saat terjadi iritasi: bilas dengan air. Jika iritasi berlanjut, cari bantuan medis.

Kena mata:
Bilas perlahan dengan air hangat. Lepaskan semua lensa kontak jika ini mudah dilakukan. Lanjutkan membilas. Jika terjadi iritasi atau rasa tidak nyaman pada mata yang terus-menerus: Cari bantuan medis.

Tertelan:
Cuci dan bilas mulut sampai bersih dan minum air dalam jumlah banyak. Jika kondisi tak nyaman terus berlanjut: cari bantuan medis dan bawa lembar data keselamatan ini.

Luka bakar:
Tidak berlaku.

4.2. Gejala-gejala dan efek-efek yang utama, baik yang akut maupun tertunda
Tidak diketahui.

4.3. Petunjuk pertolongan pertama dan perawatan khusus yang diperlukan
Tangani sesuai gejala.

Catatan untuk dokter
Bawa lembar data keselamatan ini atau label.

5: TINDAKAN PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran/api
Tidak berlaku.

5.2. Bahaya-bahaya khusus yang akan muncul dari zat atau campuran
Kebakaran akan menyebabkan asap pekat. Paparan dari produk pembakaran bisa merusak kesehatan Anda. Wadah tertutup, yang terpapar api, harus didinginkan dengan air. Jangan biarkan air pemadam kebakaran masuk ke dalam sistem saluran air atau genangan air di sekitar.
Jika produk terpapar suhu tinggi, misalnya kebakaran, muncul senyawa dekomposisi yang berbahaya. Senyawa tersebut adalah:
Karbon oksida (CO / CO2)

5.3. Saran untuk pemadam kebakaran
Tidak ada persyaratan khusus.

6: TINDAKAN PENANGGULANGAN JIKA TERJADI TUMPAHAN DAN KEBOCORAN

6.1. Langkah-langkah pencegahan diri, alat pelindung dan prosedur tanggap darurat
Area yang terkontaminasi mungkin licin.

6.2. Langkah-langkah pencegahan bagi lingkungan
Hindari kebocoran ke danau, sungai, saluran air, dll.
Jauhkan orang yang tidak berwenang dari tumpahan

6.3. Metode dan bahan penangkalan (containment) dan pembersihan
Tampung dan kumpulkan tumpahan dengan bahan penyerap yang tidak mudah terbakar, seperti pasir, tanah, tanah vermikulit atau diatom dan tempatkan dalam penampung yang sesuai untuk pembuangan berdasarkan peraturan lokal.
Jika memungkinkan, pembersihan dilakukan menggunakan bahan pembersih normal. Hindari penggunaan pelarut.

6.4. Referensi ke bagian-bagian lain
Lihat bagian 13 untuk tambahan informasi mengenai pembuangan limbah.
Lihat Bagian 8 untukt ambahan informasi kontrol paparan/perlindungan diri.

7: PENANGANAN DAN PENYIMPANAN

7.1. Langkah-langkah pencegahan untuk penanganan yang aman
Dilarang merokok, minum, dan makan di tempat kerja.
Lihat bagian 'Kontrol paparan/perlindungan diri' untuk informasi tentang perlindungan diri.

7.2. Kondisi untuk penyimpanan yang aman, termasuk inkompatibilitas

Material penyimpanan yang direkomendasikan:
Jaga hanya disimpan dalam wadah aslinya.

Kondisi penyimpanan:
Kering, dingin, dan baik ventilasinya

Bahan-bahan yang tidak tercampurkan:
Asam kuat, basa kuat, bahan pengoksida kuat, dan bahan pereduksi kuat.

7.3. Kegunaan(-kegunaan) akhir spesifik
Produk ini hanya boleh digunakan untuk penerapan yang tercantum di bagian 1.2.

8: KONTROL PAPARAN / PERLINDUNGAN DIRI

8.1. Paramater pengendalian
Tidak ada zat yang terdaftar dengan batas paparan pekerjaan.

8.2. Pengendalian paparan
Terapkan kontrol umum untuk mencegah paparan yang tidak perlu.

Rekomendasi umum:
Dilarang merokok, minum, dan makan di tempat kerja.

Skenario paparan:
Tidak ada skenario paparan yang diterapkan untuk produk ini.

Nilai batas paparan:
Batas paparan kerja belum ditetapkan untuk zat-zat yang terkandung dalam produk ini.

Teknik pengendalian yang benar:
Terapkan tindakan pencegahan standar saat menggunakan produk. Hindari menghirup uap.

Tindakan Higienis:
Cuci tangan setelah penggunaan.

Pengendalian pemaparan lingkungan:
Tidak ada persyaratan khusus.

Tindakan perlindungan diri

Umum:
Cukup gunakan peralatan pelindung bertanda CE.

Perlindungan pernapasan:

Tipe	Kelas	Warna	Standar	
Tidak ada yang istimewa jika digunakan sesuai aturan				

Perlindungan tubuh:

Disarankan	Tipe / Kategori	Standar	
Tidak ada yang istimewa jika digunakan sesuai aturan	-	-	

Perlindungan tangan:

Kondisi kerja	Bahan	Ketebalan sarung tangan (mm)	Waktu tembus (menit)	Standar	
Jika paparan berkepanjangan atau konsentrasi tinggi	Tidak ada yang istimewa jika digunakan sesuai aturan	-	-	-	
	Nitril	0.35			

Perlindungan mata:

Kondisi kerja	Tipe	Standar	
	Tidak ada yang istimewa jika digunakan sesuai aturan	-	
Jika paparan berkepanjangan atau konsentrasi tinggi	Kacamata pelindung dengan pelindung samping	EN166	

9: SIFAT FISIKA DAN KIMIA

9.1. Informasi sifat-sifat fisika dan kimia dasar

Bentuk fisik:
Cairan

▼*Warna:*
Bening

Bau:
Ciri khas

Ambang batas bau (ppm):
Data tidak tersedia.

pH:
ca. 9.0

Kerapatan (densitas) relatif (g/cm^3):
1,04 (20 °C)

Kekentalan (viskositas):
Data tidak tersedia.

Karakteristik partikel:
Ne primjenjuje se na tekućine.

Perubahan fase

Titik lebur / titik beku (°C):
Data tidak tersedia.

Titik pelunakan/rentang (°C):
Ne primjenjuje se na tekućine.

Titik didih/jarak didih (°C):
Data tidak tersedia.

Tekanan uap:
Data tidak tersedia.

Rapat (densitas) uap:
Data tidak tersedia.

Suhu penguraian (°C):
Data tidak tersedia.

Laju penguapan:

Data tentang bahaya kebakaran dan ledakan

Titik nyala (°C):
Data tidak tersedia.

Kemudahan-menyala (°C):
Data tidak tersedia.

Suhu dapat membakar sendiri (°C):
Data tidak tersedia.

Batas atas/bawah kemudahan terbakar atau batasan meledak (% v/v):
Data tidak tersedia.

Kelarutan

Kelarutan dalam air:
Terlalu mudah larut

Koefisien partisi (LogKow):
Data tidak tersedia.

Kelarutan dalam lemak (g/L):
Data tidak tersedia.

9.2. Informasi Lain

Parameter fisik dan kimia lainnya:
Data tidak tersedia.

Sifat pengoksidasi:
Data tidak tersedia.

10: STABILITAS DAN REAKTIFITAS

10.1. Reaktivitas
Data tidak tersedia.

10.2. Stabilitas kimia
Produk stabil dalam kondisi seperti yang tercantum di bagian 7 “Penanganan dan penyimpanan”.

10.3. Reaksi berbahaya yang mungkin di bawah kondisi spesifik / khusus
Tidak diketahui.

10.4. Kondisi yang harus dihindari
Tidak diketahui.

10.5. Bahan-bahan yang tidak tercampurkan
Asam kuat, basa kuat, bahan pengoksida kuat, dan bahan pereduksi kuat.

10.6. Hasil penguraian yang berbahaya
Saat disimpan dan digunakan dalam kondisi normal, produk dekomposisi berbahaya tidak boleh dihasilkan.

11: INFORMASI TOKSIKOLOGI

11.1. Informasi efek-efek toksikologi

Toksisitas akut

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 401
Spesies:	Tikus besar
Rute Paparan:	Lisan
Uji:	LD50
Hasil:	>5.000 mg/kg

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Metode pengujian:	OECD 402
Spesies:	Tikus besar
Rute Paparan:	Kulit
Uji:	LD50
Hasil:	>2.000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesies:	Tikus besar
Rute Paparan:	Kulit
Uji:	LD50
Hasil:	>2000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesies:	Tikus besar
Rute Paparan:	Lisan
Uji:	LD50
Hasil:	>2000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesies:	Tikus besar
Rute Paparan:	Kulit
Uji:	LD50
Hasil:	>2000 mg/kg

Produk/bahan	2-phenoxyethanol
Spesies:	Tikus besar
Rute Paparan:	Lisan
Uji:	LD50
Hasil:	1840 mg/kg

Produk/bahan	2-phenoxyethanol
Spesies:	Kelinci
Rute Paparan:	Kulit
Hasil:	>5000 mg/kg

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Iritasi/korosif

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metode pengujian:	OECD 404
Spesies:	Marmut
Hasil:	Efek tak diinginkan teramati (Menimbulkan iritasi)

Produk/bahan	2-phenoxyethanol
Hasil:	Efek tak diinginkan teramati (Korosif)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kerusakan/iritasi mata berat

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Hasil:	Efek tak diinginkan teramati (Menyebabkan kerusakan serius pada mata)

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 404
Spesies:	Kelinci
Hasil:	Efek tak diinginkan teramati (Menimbulkan sedikit iritasi)

Produk/bahan	2-phenoxyethanol
Hasil:	Efek tak diinginkan teramati (Menyebabkan kerusakan serius pada mata)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kepekaan pernafasan
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kepekaan kulit
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Mutagenisitas sel kuman
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Karsinogenisitas
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Toksisitas reproduktif
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Tosisitas sistemik pada organ target spesifik karena paparan tunggal
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Toksisitas sistemik pada organ target spesifik karena paparan berulang
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Bahaya aspirasi
Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Berpotensi efek kesehatan yang kronis
Tidak diketahui.

12: INFORMASI EKOLOGI

12.1. Toksisitas

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 203
Spesies:	Ikan, Pimephales promelas
Uji:	LC50
Hasil:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 202
Spesies:	Krustasea, Daphnia magna
Uji:	EC50
Hasil:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 201
Spesies:	Andere waterorganismen, Desmodesmus subspicatus
Uji:	EC50
Hasil:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 209
Spesies:	Pseudomonas putida
Lingkungan:	Pabrik Limbah Padat Aktif
Uji:	EC0
Hasil:	>100 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 210
Spesies:	Ikan
Uji:	NOEC

Hasil:	>0,1-1 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metode pengujian:	OECD 211
Spesies:	Krustasea, Daphnia magna
Uji:	NOEC
Hasil:	>0,1-1 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metode pengujian:	OECD 201
Spesies:	Ganggang
Lingkungan:	Air segar
Durasi:	72 jam
Uji:	EC50
Hasil:	410 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metode pengujian:	OECD 203
Spesies:	Ikan
Lingkungan:	Air segar
Durasi:	96 jam
Uji:	LC50
Hasil:	2,9 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metode pengujian:	OECD 201
Spesies:	Ganggang
Lingkungan:	Air segar
Durasi:	72 jam
Uji:	NOEC
Hasil:	4,9 mg/L

Produk/bahan	2-phenoxyethanol
Spesies:	Ikan
Durasi:	96 jam
Uji:	LC50
Hasil:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesies:	Ganggang
Durasi:	72 jam
Uji:	ErC50
Hasil:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesies:	Daphnia magna
Durasi:	48 jam
Uji:	EC50
Hasil:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesies:	Ikan
Uji:	NOEC
Hasil:	23 mg/L

Produk/bahan	2-phenoxyethanol
Spesies:	Andere waterorganismen
Durasi:	30 minutes
Uji:	EC50
Hasil:	>1000 mg/L

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

12.2. Ketahanan dan tingkat degredasi

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kesimpulan:	Mudah terurai secara hayati

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kesimpulan:	Mudah terurai secara hayati

Produk/bahan	2-phenoxyethanol
Hasil:	>70
Kesimpulan:	Mudah terurai secara hayati
Uji:	OECD 301 A

12.3. Potensi bioakumulasi

Produk/bahan	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Kesimpulan:	-

12.4. Mobilitas dalam tanah

Data tidak tersedia.

12.5. Hasil penilaian PBT dan vPvB

Campuran/produk ini tidak mengandung zat apa pun yang dianggap memenuhi kriteria yang mengelompokkannya sebagai PBT dan/atau vPvB.

12.6. Efek merugikan lainnya

Tidak diketahui.

13: PEMBUANGAN LIMBAH

Metoda pengolahan limbah

Produk ini tidak tercakup oleh peraturan tentang limbah berbahaya.

Pelabelan khusus

Kemasan

Kemasan yang mengandung sisa-sisa produk harus dibuang bersama produk dengan cara yang sama.

14: INFORMASI TRANSPORTASI

	14.1 UN	14.2 Nama pengapalan yang sesuai	14.3 Kelas	14.4 PG*	14.5 Env**	Informasi Lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kelompok pengemasan

** Bahaya lingkungan

Informasi tamba

Bukan barang berbahaya menurut ADR, IATA, dan IMDG.

14.6. Tindakan kehati-hatian khusus bagi pengguna

Tidak berlaku.

14.7. Transport dalam jumlah besar (bulk) sesuai Annex II MARPOL dan kode IBC

Data tidak tersedia.

15: INFORMASI YANG BERKAITAN DENGAN REGULASI

15.1. Keselamatan, kesehatan dan peraturan lingkungan alam/perundang-undangan spesifik untuk zat atau campuran

Batasan aplikasi:
Terbatas untuk penggunaan industri dan para profesional.

Tuntutan akan pendidikan khusus:
Tidak ada persyaratan khusus.

Informasi tambahan:
Tidak berlaku.

Sumber:
Nomor peraturan 23/M-IND/PER/4/2013 (GHS)

15.2. Penilaian keamanan kimiawi
Tidak

16. INFORMASI LAIN

Teks lengkap frasa-H sebagaimana yang tercantum pada bagian 3
H302, Berbahaya bila tertelan.
H315, Menyebabkan iritasi kulit.
H318, Menyebabkan kerusakan serius pada mata.
H319, Menyebabkan iritasi serius pada mata.
H335, Dapat menyebabkan iritasi pernafasan.
H412, Berbahaya terhadap kehidupan akuatik dengan efek jangka panjang.

Teks lengkap penggunaan yang sudah dikenal sebagaimana yang tercantum pada bagian 1
Tidak diketahui.

Singkatan dan akronim
ADN = Ketentuan Eropa terkait Pengangkutan Internasional Bahan-Bahan Berbahaya melalui Jalur Pelayaran Dalam Pulau
ADR = Kesepakatan Eropa terkait Pengangkutan Internasional Bahan-Bahan Berbahaya melalui Jalur Darat
ATE = Estimasi Toksisitas Akut
BCF = Faktor Biokonsentrasi
CAS = Layanan Abstrak Kimia
EINECS = Inventaris Eropa untuk Zat-Zat Kimia Komersial yang Sudah Ada
GHS = Sistem Harmonisasi Global untuk Klasifikasi dan Pelabelan Zat-Zat Kimia
IARC = Badan Riset Kanker Internasional
IATA = Asosiasi Transportasi Udara Internasional
IMDG = Bahan-Bahan yang Membahayakan Laut Internasional
LogPow = logaritma koefisien partisi oktanol/air
MARPOL = Konvensi Internasional bagi Pencegahan Polusi Dari Kapal, 1973 sebagaimana diubah berdasarkan Protokol 1978. ("Marpol" = pencemaran laut)
OECD = Organisasi Kerja sama dan Pembangunan Ekonomi
RID = Peraturan terkait Pengangkutan Internasional Bahan-Bahan Berbahaya dengan Kereta Api
SCL = Batas konsentrasi khusus.
STEL = Batas paparan jangka pendek
STOT-RE = Toksisitas Organ Sasaran Khusus - Paparan Berulang
STOT-SE = Toksisitas Organ Sasaran Khusus - Paparan Tunggal
TWA = Rerata tertimbang waktu
UN = Perserikatan Bangsa-Bangsa
VOC = Senyawa Organik Volatil

Informasi tambahan
Lembar data keselamatan tidak dibutuhkan untuk produk ini. Lembar data keselamatan ini telah dibuat secara sukarela untuk menyebarluaskan informasi yang relevan.

Lembar data keselamatan disahkan oleh
Quality & Compliance

Informasi Lain
Perubahan (selaras dengan perubahan besar terakhir (nol pertama menurut versi SDS, lihat bagian 1)) ditandai dengan segitiga.
Informasi dalam lembar data keselamatan ini hanya berlaku untuk produk khusus ini (yang disebutkan di bagian 1) dan tidak serta-merta tepat untuk digunakan bersama dengan zat kimia/produk lain.
Lembar data keselamatan ini hendaknya diberikan kepada pengguna aktual produk ini. Informasi dalam lembar data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.
Negara-bahasa: ID-id

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revision:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC)
Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm)
Healthcare professionals: +353 (0) 1 809 2566 (24 h service)
See also section 4 “First aid measures”

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

▼*Additional labelling:*
EUH210, Safety data sheet available on request.
Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

2.3. Other hazards

Additional warnings:
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 REACH: Index No.:	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.: REACH: 01-2119565130-50-0000 Index No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7 REACH: 01-2119488943-21 Index No.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼*Inhalation:*

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼*Eye contact:*

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

▼*Ingestion:*

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO2)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Propane-1,2-diol
Long term exposure limit (8 hours) (mg/m^3): 470 (total (vapour and particulates)) / 10(particulates)
Long term exposure limit (8 hours) (ppm): 150 (total (vapour and particulates))

2,2',2''-nitrilotriethanol
Long term exposure limit (8 hours) (mg/m^3): 5

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL
2-phenoxyethanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects	Dermal	10,42 mg/kg
Long term – Systemic effects - General population	Dermal	20,83 mg/kg

Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects	Inhalation	2,41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m³
Long term	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	3.1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	6.3 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	1,25 mg/m³
Long term – Local effects - Workers	Inhalation	5 mg/m³
Long term – Systemic effects - General population	Inhalation	1.25 mg/m³
Long term – Systemic effects - Workers	Inhalation	5 mg/m³
Long term – Systemic effects - General population	Oral	3.1 mg/kg bw/day

Propane-1,2-diol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects	Inhalation	10 mg/m³
Long term – Local effects - General population	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³

PNEC

2-phenoxyethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg
Marine water		0.0943 mg/L
Marine water sediment		0,7237 mg/kg
Sewage treatment plant		24,8 mg/L
Sewage treatment plant	Single	36 mg/L
Soil		1,26 mg/kg

2,2',2''-nitrilotriethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		320 µg/L
Freshwater sediment		1.7 mg/kg
Intermittent release (freshwater)		5.12 mg/L
Marine water		32 µg/L
Marine water sediment		170 µg/kg

Sewage treatment plant		10 mg/L
Soil		151 µg/kg

Propane-1,2-diol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater sediment		572 mg/kg TG
Marine water sediment		26 mg/L
Marine water sediment		57,2 mg/kg TG
Marine water sediment		26 mg/L
Sewage treatment plant		20000 mg/L
Soil		50 mg/kg TG
Water		260 mg/L

8.2. ▼Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼*Hygiene measures:*

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Colour:*
Colourless

Odour / Odour threshold:
Characteristic

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Lower and upper explosion limit (% v/v):
No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
2,2',2''-nitrilotriethanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC

Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater

Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs.,

	inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.

H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: IE-en

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revision:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Israel Poison Information Center
Acute poisoning (hotline): 04-7771900 (24h service).
For drug information and consultations pertaining to exposure of pregnant or breast feeding women to drugs, chemicals, and other poisons the center can be called Sundays through Thursdays between 09:00 to 15:00.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Israeli Standard SI 2302.

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:
Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

▼*Additional labelling:*
EUH210, Safety data sheet available on request.
Not applicable.

2.3. Other hazards

Additional warnings:
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 REACH: Index No.:	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.: REACH: 01-2119565130-50-0000 Index No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7 REACH: 01-2119488943-21 Index No.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼*Inhalation:*
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼*Eye contact:*
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

▼*Ingestion:*
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

DNEL

2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	10,42 mg/kg
Long term – Systemic effects - General population	Dermal	20,83 mg/kg
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects	Inhalation	2,41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m³
Long term	Oral	9,23 mg/kg

PNEC

2-phenoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg
Marine water		0.0943 mg/L
Marine water sediment		0,7237 mg/kg
Sewage treatment plant		24,8 mg/L
Sewage treatment plant	Single	36 mg/L

Soil		1,26 mg/kg

8.2. ▼Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼*Hygiene measures:*
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Colour:*
Colourless

Odour / Odour threshold:
Characteristic

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Lower and upper explosion limit (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal

Result: >5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method: OECD 404
Species: Guinea pig
Result: Adverse effect observed (Irritating)

Product/substance: 2-phenoxyethanol
Result: Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method: OECD 404
Species: Rabbit
Result: Adverse effect observed (Slightly irritating)

Product/substance: 2-phenoxyethanol
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201

Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:
20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

SEVESO - Categories / dangerous substances:
Not applicable.

Additional information:
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the

competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Prevention of Environmental Nuisances Law 5752-1992
1993 Hazardous Substances Law
Israeli Standard SI 2302 Part 1 – Dangerous substances and mixtures: Classification, labelling, marking and packaging.
Israeli Standard SI 2302 Part 2 – Transportation: Classification, labelling, marking and packaging.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼Additional information

A safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.
In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required under Article 32 of REACH.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: IL-en

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for INDIA according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: IN-en

ÖRYGGISBLAÐ

i.2 kitchen cleaner FlexDose Ultra

1. LIÐUR: AUÐKENNING EFNISINS EÐA BLÖNDUNNAR OG FÉLAGSINS EÐA FYRIRTÆKISINS

1.1. Vörukenni

Viðskiptaheiti:
i.2 kitchen cleaner FlexDose Ultra

1.2. Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá

Viðeigandi og tilgreind notkun á efninu eða blöndunni:
Þvotta- og hreinsiefni (þar á meðal leysiefni)
Eingöngu ætlað fagmönnum.

Notkun sem ráðið er frá:
Enginn kunnuglegur.

1.3. Upplýsingar um birgi öryggisblaðsins

Fyrirtæki og heimilisfang:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Netfang:
info@hygeniq.com

Dagsetning öryggisblaðs:
5.8.2025

Útgáfa öryggisblaðs:
2.0

Dagsetning fyrri útgáfu:
16.7.2025 (2.0)

1.4. Neyðarsímanúmer

Neyðarlínan: Sími 112.
Eitrunarmiðstöð Landsspítalans. Sími: 543 2222.
Sjá liður 4: Ráðstafanir í skyndihjálp.

2. LIÐUR: HÆTTUGREINING

2.1. Flokkun efnisins eða blöndunnar

Óflokkað samkvæmt reglugerð (EB) nr. 1272/2008 (CLP).

2.2. Merkingaratriði

Hættumerki:
Á ekki við.

Viðvörunarorð:

Á ekki við.

Hættusetningar:
Á ekki við.

Varnaðarsetningar:

Almennt:
-

Fyrirbygging:
-

Viðbrögð:
-

Geymsla:
-

Förgun:
-

Tilgreining efna sem valda alvarlegum heilsuvandamálum:
Inniheldur engin efni sem nauðsynlegt er að tilkynna

▼*Viðbótarmerking:*
EUH210, Öryggisblað er fáanlegt sé um það beðið.
Á ekki við.

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004 (á við um umbúðir þvottaefna sem seld eru almenningi):

>15% - <30%
· Ójónuð, yfirborðsvirk efni
< 5%
· Tvíhegða, yfirborðsvirk efni
· Mínushlaðin, yfirborðsvirk efni
· Rotvarnarefni (PHENOXYETHANOL)

2.3. Aðrar hættur

Viðbótarviðvaranir:
Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.
Þessi vara inniheldur engin efni sem teljast til innkirtlatruflana í samræmi við viðmiðanirnar sem settar eru fram í framseldri reglugerð framkvæmdastjórnarinnar (ESB) 2017/2100 eða reglugerð framkvæmdastjórnarinnar (ESB) 2023/707.

3. LIÐUR: SAMSETNING INNIHALDSEFNA/UPPLÝSINGAR UM INNIHALDSEFNI

3.1. Efni
Á ekki við. Þessi vara er blanda.

3.2. Blöndur

Vara/innihaldsefnis	Auðkenni	% w/w	Flokkun	Tákn
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-nr.: 147170-44-3 EB-nr.: 604-575-4 REACH: Vísitala nr. :	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-nr.: 85536-23-8 EB-nr.: REACH: 01-2119565130-50-0000 Vísitala nr. :	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-phenoxyethanol	CAS-nr.: 122-99-6 EB-nr.: 204-589-7 REACH: 01-2119488943-21 Vísitala nr. : 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Allar hættu-/áhættusetningar er að finna í liður 16. Notkunartakmörk eru tekin fram í liður 8 ef þau eru tiltæk.

Aðrar upplýsingar
UVCB = Óþekkt eða breytileg samsetning, flókin hvarfefni eða líffræðilegra efna

4. LIÐUR: RÁÐSTAFANIR Í SKYNDIHJÁLP

4.1. Lýsing á ráðstöfunum í skyndihjálp

Almennar upplýsingar:
Ef slys kemur upp: Hafið samband við lækni eða slysadeild - takið merkið sem er á vörunni eða þetta öryggisblað. Hafið samband við lækni ef vafi er á heilsufari viðkomandi eða ef einkennin stöðvast ekki. Gefið aldrei einstaklingi sem misst hefur meðvitund vatn eða annað álíka.

▼*Innöndun:*
Ef fundið er fyrir óþægindum: Komið viðkomandi í ferskt loft.

Snerting við húð:
Við ertingu: Þvoið efnið af. Við langvarandi ertingu: Leitið til læknis

▼*Snerting við augu:*
Skolið varlega með volgu vatni. Fjarlægið allar augnlinsur ef auðvelt er að gera það. Haldið áfram að skola. Ef um er að ræða viðvarandi augnertingu eða óþægindi: Leitið læknishjálpar.

▼*Inntaka:*
Skolið munninn vandlega með vatni. Ef óþægindin eru viðvarandi skal leita til læknis og hafa þetta öryggisblað meðferðis.

Brunar:
Á ekki við.

4.2. Helstu skaðleg einkenni og áhrif, bæði bráð og tafin
Enginn kunnuglegur.

4.3. Upplýsingar um tafarlausa læknisumönnun og sérstaka meðferð sem þörf er á
Meðhöndlið eftir einkennum.

Upplýsingar fyrir lækna
Takið þetta öryggisblað með eða merkið sem er á vörunni

5. LIÐUR: RÁÐSTAFANIR VEGNA SLÖKKVIAÐGERÐA

5.1. Slökkvibúnaður
Á ekki við.

5.2. Sérstakar hættur af völdum efnisins eða blöndunnar
Við eldsvoða mun koma þykkur reykur. Váhrif frálífunarefna geta haft skaðleg áhrif á heilsuna. Lokuð ílát sem eru í snertingu við eld skal kæla með vatni. Látið vatn sem notað er til að slökkva eld ekki renna til skolplagna og annarra vatnsfalla.
Ef varan hefur komist í snertingu við háan hita, s.s. eldsvoða, myndast hættuleg frálífunarefni. Um er að ræða:
Kolsýringur (CO / CO2)

5.3. Ráðgjöf fyrir slökkviliðsmenn
Engar sérstakar kröfur.

6. LIÐUR: RÁÐSTAFANIR EF EFNI FER ÓVART TIL SPILLIS EÐA ER LOSAÐ FYRIR SLYSNI

6.1. Öryggisráðstafanir fyrir fólk, hlífðarbúnaður og neyðarráðstafanir
Tryggið næga loftræstingu, sérstaklega á lokuðum svæðum.
Menguð svæði geta verið hál.

6.2. Varúðarráðstafanir vegna umhverfisins
Forðist að farga í nánd við stöðuvötn, ár, skolplagnir o.s.frv.
Haldið óviðkomandi aðilum frá lekanum

6.3. Aðferðir og efni til afmörkunar og hreinsunar
Taka af og safna saman leka með óbrennanlegu, ísogandi efni t.d. sandi, jörð, vermíkúlít eða kísilgúr og setja í ílát til förgunar í samræmi við staðbundnar reglur.
Svo lengi sem það er hægt skal nota hefðbundin hreinsiefni við þvott. Forðast skal leysiefni.

6.4. Tilvísun í aðra liði
Sjá liður 13 um "Förgun" til að fá upplýsingar um meðhöndlun úrgangs.
Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um varnaraðgerðir.

7. LIÐUR: MEÐHÖNDLUN OG GEYMSLA

7.1. Varúðarráðstafanir um örugga meðhöndlun
Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.
Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um persónuvernd.

7.2. ▼Örugg geymsluskilyrði, þ.m.t. vegna mögulegs ósamrýmanleika

Ráðlagt geymsluefni:
Geymið eingöngu í upprunalegum umbúðum.

Geymsluskilyrði:
Þurr, svalur og vel loftræstur staður

Ósamrýmanleg efni:
Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

7.3. Sértæk, endanleg notkun
Þessa vöru má einungis nota í þeim tilgangi sem tekinn er fram í liður 1.2.

8. LIÐUR: VÁHRIFAVARNIR/PERSÓNUHLÍFAR

8.1. Viðmiðunarmörk fyrir váhrif
2,2',2''-nitrilotriethanol
Mengunarmörk (8 tíma) (mg/m³): 5
Athugasemdir:
O = Efnið er ofnæmisvaldandi.

Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (390/2009)
Reglugerð um breytingu á reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum, nr. 390/2009 (631/2021).

DNEL
2-phenoxyethanol

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif	Innöndun	2,41 mg/m³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	5,7 mg/m³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	8.07 mg/m³

Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	5,7 mg/m³
Langtíma	Inntaka	9,23 mg/kg
Langtíma - Kerfisbundin áhrif	Snerting við húð	10,42 mg/kg
Langtíma - Kerfisbundin áhrif - Almenningur	Snerting við húð	20,83 mg/kg
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	34.72 mg/kg bw/day

2,2',2''-nitrilotriethanol

Tímalengd:	**Váhrifaleið:**	**DNEL:**
Langtíma - Kerfisbundin áhrif - Almenningur	Innöndun	1.25 mg/m³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	5 mg/m³
Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	1,25 mg/m³
Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	5 mg/m³
Langtíma - Kerfisbundin áhrif - Almenningur	Inntaka	3.1 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Almenningur	Snerting við húð	3.1 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	6.3 mg/kg bw/day

PNEC

2-phenoxyethanol

Váhrifaleið:	**Tímalengd notkunar:**	**PNEC:**
Botnfall í ferskvatni		7.2366 mg/kg
Botnfall í sjó		0,7237 mg/kg
Ferskvatn		0,943 mg/L
Jarðvegur		1,26 mg/kg
Sjór		0.0943 mg/L
Skólpvinnslustöð		24,8 mg/L
Skólpvinnslustöð	Einstakt	36 mg/L

2,2',2''-nitrilotriethanol

Váhrifaleið:	**Tímalengd notkunar:**	**PNEC:**
Botnfall í ferskvatni		1.7 mg/kg
Botnfall í sjó		170 µg/kg
Ferskvatn		320 µg/L
Jarðvegur		151 µg/kg
Ósamfelld slepping (ferskvatn)		5.12 mg/L
Sjór		32 µg/L
Skólpvinnslustöð		10 mg/L

8.2. ▼Takmörkun váhrifa

Athuga skal reglulega samræmi við takmarkanir um snertingu við efnið.

Almennar ráðleggingar:

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Upplýsingar um váhrif:

Ekki eru til neinar sviðsmyndir af váhrifum af þessu efni.

Váhrifamörk:

Notendur efnisins eru verndaðir af atvinnulöggjöf um hámarksstyrk efnisins. Sjá takmörk með tilliti til hollustumála starfsmanna hér að ofan.

Viðeigandi tæknilegar aðgerðir:

Myndun gufu verður vera haldið í lágmarki og fyrir neðan núverandi gildi takmarkanna (sjá að ofan). Mælt er með

uppsetningu á staðbundnu útblásturskerfi ef vanalegt loftflæði í vinnuherberginu er ekki nægt. Tryggja skal að neyðarskolun augna og neyðarsturtur séu vandlega merktar.
Viðhafið hefðbundnar varúðarráðstafanir við notkun vörunnar. Forðist innöndun gufa.

▼*Aðgerðir í hollustumálum:*
Þvo skal hendur eftir notkun.

Aðgerðir til að forðast að efnið komist í umhverfið:
Engar sérstakar kröfur.

Einstaklingsvarnir, s.s. Hlífðarbúnaður

Almennt:
Notið einungis hlífðarbúnað með CE merkingu.

Öndunarbúnaður:

Gerð	Flokkur	Litur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.				

Húðhlífar:

Ráðlagt	Gerð/Flokkur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	

Handhlífar:

Vinnuaðstaða	Ráðlagt	þykkt (mm)	Gegnumbrots-tími (mín.)	Evrópustaðal	
Við langvinn váhrif eða mikinn styrk	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	-	
	Nitril	0.35			

Augnhlífar:

Vinnuaðstaða	Gerð	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.	-	
Við langvinn váhrif eða mikinn styrk	Notið öryggisgleraugu með hliðarhlíf.	EN166	

9. LIÐUR: EÐLIS- OG EFNAFRÆÐILEGIR EIGINLEIKAR

9.1. Upplýsingar um eðlis- og efnafræðilega grunneiginleika

Form (fasi):
Vökvi

▼*Litur:*
Litlaust

Lykt / Lykt þröskuld (ppm):
Einkennandi

pH:
ca. 9.0

Eðlismassi (g/cm³):
1,04 (20 °C)

Kinematic seigja:
Engin gögn tiltæk.

Agnaeinkenni:
Á ekki við um vökva.

Fasabreytingar

Bræðslumark/Frystmark (°C):
Engin gögn tiltæk.

Mýktarmark/-svið (°C):
Á ekki við um vökva.

Suðumark (°C):
Engin gögn tiltæk.

Gufuþrýstingur:
Engin gögn tiltæk.

Hlutfallsleg gufuþéttleiki:
Engin gögn tiltæk.

Niðurbrotshitastig (°C):
Engin gögn tiltæk.

Gögn um eld- og sprengihættu

Kveikjumark (°C):
Engin gögn tiltæk.

Kveiking (°C):
Engin gögn tiltæk.

Sjálfsíkveikjuhitastig (°C):
Engin gögn tiltæk.

Sprengimörk (% v/v):
Engin gögn tiltæk.

Uppleysanleiki

Uppleysanleiki í vatni:
Fullkomlega leysanlegt

n-oktanól/vatnsstuðull (LogKow):
Engin gögn tiltæk.

Uppleysanleiki í fitu (g/L):
Engin gögn tiltæk.

9.2. Aðrar upplýsingar

Aðrar eðlisfræðilegar og efnafræðilegar breytur:
Engin gögn tiltæk.

Oxunareiginleikar:
Engin gögn tiltæk.

10. LIÐUR: STÖÐUGLEIKI OG HVARFGIRNI

10.1. Hvarfgirni
Engin gögn tiltæk.

10.2. Efnafræðilegur stöðugleiki
Varan er stöðug við þær aðstæður sem lýst í liður 7 um "Meðhöndlun og geymsla".

10.3. Möguleiki á hættulegu efnahvarfi
Enginn kunnuglegur.

10.4. Skilyrði sem ber að varast
Enginn kunnuglegur.

10.5. Ósamrýmanleg efni
Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

10.6. Hættuleg niðurbrotsefni
Hættuleg niðurbrotsefni ættu ekki að myndast við eðlileg geymslu- og notkunarskilyrði.

11. LIÐUR: EITUREFNAFRÆÐILEGAR UPPLÝSINGAR

11.1. Upplýsingar um eiturefnafræðileg áhrif

Bráð eiturhrif

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 401
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	>5.000 mg/kg

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 402
Tegund:	Rotta
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2.000 mg/kg

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tegund:	Rotta
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2000 mg/kg

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	>2000 mg/kg

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tegund:	Rotta
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2000 mg/kg

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	1840 mg/kg

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Kanína
Váhrifaleið:	Snerting við húð
Niðurstaða:	>5000 mg/kg

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðæting/húðerting

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Prófunaraðferð:	OECD 404
Tegund:	Hamstur
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Vara/innihaldsefnis	2-phenoxyethanol
Niðurstaða:	Vart varð við aukaverkanir (Tærandi)

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Alvarlegur augnskaði/augnerting

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 404
Tegund:	Kanína
Niðurstaða:	Vart varð við aukaverkanir (Lítið ertandi)

Vara/innihaldsefnis	2-phenoxyethanol
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Næming öndunarfæra

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðnæming

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Stökkbreytandi áhrif á kímfrumur

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Krabbameinsvaldandi áhrif

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Eiturhrif á æxlun

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – váhrif í eitt skipti

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – endurtekin váhrif

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

Ásvelgingarhætta

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

11.2. Upplýsingar um aðrar hættur

Langvarandi áhrif

Enginn kunnuglegur.

Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa hormónatruflandi eiginleika í tengslum við heilsu.

Aðrar upplýsingar

2,2',2''-nitrilotriethanol: IARC skilgreinir efnið í flokk 3.

12. LIÐUR: VISTFRÆÐILEGAR UPPLÝSINGAR

12.1. Visteiturhrif

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 203
Tegund:	Fiskur, Pimephales promelas
Próf:	LC50

Niðurstaða:	>1-10 mg/L

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 202
Tegund:	Krabbadýr, Daphnia magna
Próf:	EC50
Niðurstaða:	>1-10 mg/L

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 201
Tegund:	Andere waterorganismen, Desmodesmus subspicatus
Próf:	EC50
Niðurstaða:	>1-10 mg/L

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 209
Tegund:	Pseudomonas putida
Umhverfi:	Virk seyruvinnslustöð
Próf:	EC0
Niðurstaða:	>100 mg/L

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 210
Tegund:	Fiskur
Próf:	NOEC
Niðurstaða:	>0,1-1 mg/L

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Prófunaraðferð:	OECD 211
Tegund:	Krabbadýr, Daphnia magna
Próf:	NOEC
Niðurstaða:	>0,1-1 mg/L

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prófunaraðferð:	OECD 201
Tegund:	Þörungar
Umhverfi:	Ferskvatn
Tímalengd:	72 klst.
Próf:	EC50
Niðurstaða:	410 mg/L

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prófunaraðferð:	OECD 203
Tegund:	Fiskur
Umhverfi:	Ferskvatn
Tímalengd:	96 klst.
Próf:	LC50
Niðurstaða:	2,9 mg/L

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Prófunaraðferð:	OECD 201
Tegund:	Þörungar
Umhverfi:	Ferskvatn
Tímalengd:	72 klst.
Próf:	NOEC
Niðurstaða:	4,9 mg/L

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Fiskur
Tímalengd:	96 klst.
Próf:	LC50
Niðurstaða:	>100 mg/L

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Þörungar
Tímalengd:	72 klst.
Próf:	ErC50
Niðurstaða:	>100 mg/L

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Daphnia magna
Tímalengd:	48 klst.
Próf:	EC50
Niðurstaða:	>100 mg/L

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Fiskur
Próf:	NOEC
Niðurstaða:	23 mg/L

Vara/innihaldsefnis	2-phenoxyethanol
Tegund:	Andere waterorganismen
Tímalengd:	30 minutes
Próf:	EC50
Niðurstaða:	>1000 mg/L

Miðað við fáanleg gögn eru flokkunarskilyrði ekki uppfyllt.

12.2. Þrávirkni og niðurbrjótanleiki

Vara/innihaldsefnis	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Niðurstaða:	Auðlífbrjótanlegt

Vara/innihaldsefnis	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Niðurstaða:	Auðlífbrjótanlegt

Vara/innihaldsefnis	2-phenoxyethanol
Niðurstaða:	>70
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 301 A

Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

12.3. Uppsöfnun í lífverum

Vara/innihaldsefnis	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Niðurstaða:	-

12.4. Hreyfanleiki í jarðvegi

Engin gögn tiltæk.

12.5. Niðurstöður úr mati á PBT- og vPvB-eiginleikum.

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

12.6. Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa innkirtlatruflandi eiginleika í tengslum við umhverfið.

12.7. Önnur skaðleg áhrif
Enginn kunnuglegur.

13. LIÐUR: FÖRGUN

13.1. Aðferðir við meðhöndlun úrgangs
Reglugerð nr. 1040/2016 um skrá yfir úrgang og mat á hættulegum eiginleikum úrgangs, með síðari breytingum.
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.

EWC-kóði:
20 01 30 önnur en tilgreind eru í 20 01 29 hreinsiefni

Samsettar umbúðir
Umbúðir sem innihalda leifar af efninu skal farga á sama hátt og vörunni á að farga.

14. LIÐUR: UPPLÝSINGAR UM FLUTNINGA

	14.1 UN	14.2 Nafn/lýsing	14.3 Flokkur	14.4 PG*	14.5. Env**	Aðrar upplýsingar:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pökkunarflokkur

** Umhverfishættur

Viðbótarupplýsingar
Ekki skráð sem hættulegt efni í reglugerðum ADR, IATA og IMDG (alþjóðlegur kóði um siglingu með hættulegan varning).

14.6. Sérstakar varúðarráðstafanir fyrir notanda
Á ekki við.

14.7. Flutningar búlkafarms skv. II. viðauka við MARPOL-samninginn og IBC-kóðanum.
Engin gögn tiltæk.

15. LIÐUR: UPPLÝSINGAR VARÐANDI REGLUVERK

15.1. Sértæk ákvæði/löggjöf fyrir efnið eða blönduna vegna öryggis, heilbrigðis og umhverfis

Takmarkanir á notkun:
Eingöngu ætlað fagmönnum.

Beiðnir um sérstaka þjálfun:
Engar sérstakar kröfur.

SEVESO:
Á ekki við.

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004:

>15% - <30%
· Ójónuð, yfirborðsvirk efni
< 5%
· Tvíhegða, yfirborðsvirk efni
· Mínushlaðin, yfirborðsvirk efni
· Rotvarnarefni (PHENOXYETHANOL)

Viðbótarupplýsingar:
Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB

648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

Heimildir:

Reglugerð Evrópuþingsins og Ráðsins (EB) nr. 648/2004 frá 31. mars 2004 um votta- og hreinsiefni.
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.
Reglugerð (EB) nr. 1272/2008 (CLP) um flokkun, merkingu og umbúðir efna og blanda (með áorðnum breytingum).
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1907/2006 (REACH).

15.2. Efnaöryggismat

Nei

16. LIÐUR: AÐRAR UPPLÝSINGAR

Allar hættu-/áhættusetningar er að finna í liður 3

H302, Hættulegt við inntöku.
H315, Veldur húðertingu.
H318, Veldur alvarlegum augnskaða.
H319, Veldur alvarlegri augnertingu.
H335, Getur valdið ertingu í öndunarfærum.
H412, Skaðlegt lífi í vatni, hefur langvinn áhrif.

Skammstafanir og upphafsstafir

ADR = Evrópusamningnum um millilandaflutninga á hættulegum farmi á vegum
ATE = Matsgildi bráðra eiturhrifa
CAS = Efnafræðileg ágripsþjónustan
CE = Conformité Européenne
CLP = Reglugerð um flokkun, merkingu og pökkun efna og blandna [Reglugerð (EB) nr. 1272/2008]
CLP-H setning = Hættusetning sem á við um flokkun, merkingu og umbúðir efna og efnablandna (CLPreglugerð)
DNEL = Afleidd áhrifaleysismörk
EC50 = Styrkur í tengslum við 50% svörun
EuPCS = Evrópsk vöruflokkunarkerfi
EWC = Evrópsk skrá yfir úrgang
GWP = Hnattræn hlýnunarmöguleiki
IATA = Alþjóðasamtök flugflutninga
IMGA = Alþjóðlegur hættulegur varningur til sjós
IMO = Alþjóðasiglingamálastofnunin
LC50 = Miðgildisbanastyrkur
LD50 = 50% drápsskammtur
OECD = Efnahags- og framfarastofnun Evrópu
PBT = Efni sem eru þrávirk, safnast upp í lífverum og eru eitruð
PNEC = styrkur þar sem engin áhrif eru fyrirsjáanleg
RRN = REACH-skráningarnúmer
RID = Reglugerðin varðandi alþjóðlegan flutning hættulegs vöru með járnbrautum
RRN = REACH skráningarnúmer
SCL = Um gilda sérstök mörk um styrk.
UVCB = Óþekkt eða breytileg samsetning, flókin hvarfefni eða líffræðilegra efna
vPvB = Efni sem eru mjög þrávirk og safnast upp í lífverum í miklum mæli

Viðbótarupplýsingar

Á ekki við.

Öryggisblaðið er vottað af

Quality & Compliance

Annað

Breytingar (í samræmi við síðustu meginbreytingu (fyrsti tölustafurinn í SDS-útgáfunni)) eru merktar með þríhyrningi.
Upplýsingarnar sem er að finna á þessu öryggisblaði eiga einungis við þessa tilteknu vöru (tekið fram í liður 1) og á ekki endilega við notkun annarra efna/vara.
Ráðlagt er að láta núverandi notanda vörunnar fá þetta öryggisblað. Upplýsingarnar sem er að finna á þessu öryggisblaði er ekki hægt að nota sem vörulýsingu.
Land-tungumál: IS-is

SCHEDA DI DATI DI SICUREZZA

i.2 kitchen cleaner FlexDose Ultra

SEZIONE 1: IDENTIFICAZIONE DELLA SOSTANZA/MISCELA E DELLA SOCIETÀ/IMPRESA

1.1. Identificatore del prodotto

Nome commerciale:
i.2 kitchen cleaner FlexDose Ultra

1.2. Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Usi pertinenti identificati della sostanza o miscela:
Detergenti e detergenti (anche a base di solventi)
Uso ristretto agli utilizzatori professionali.

Usi sconsigliati :
Non noto.

1.3. Informazioni sul fornitore della scheda di dati di sicurezza

Nome e indirizzo azienda:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Indirizzo email:
info@hygeniq.com

Revisione:
05/08/2025

Versione SDS:
2.0

Data dell'edizione precedente:
16/07/2025 (2.0)

1.4. Numero telefonico di emergenza

Centri AntiVeleni (CAV) attivi 24 ore al giorno:
Bergamo: Az. Osp. Papa Giovanni XXII. Piazza OMS, 1, 24127. Telefono: 800.88.33.00
Firenze: Az. Osp. "Careggi" U.O. Tossicologia Medica. Largo Brambilla, 3, 50134. Telefono: 055.794.7819
Foggia: Az. Osp. Univ. Foggia. V.le Luigi Pinto, 1, 71122. Telefono: 800.183.459
Milano: Osp. Niguarda Ca' Granda. Piazza Ospedale Maggiore,3, 20162. Telefono: 02.66.1010.29
Napoli: Az. Osp. "A. Cardarelli". Via A. Cardarelli, 9, 80131. Telefono: 081.545.3333
Pavia: Centro Nazionale di Informazione Tossicologica. Via Salvatore Maugeri, 10, 27100. Telefono: 0382.24.444
Roma: “Osp. Pediatrico Bambino Gesù” Dip. Emergenza e Accettazione DEA. Piazza Sant`Onofrio, 4, 00165. Telefono: 06.6859.3726
Roma: Policlinico "A. Gemelli". Largo Agostino Gemelli, 8, 168. Telefono: 06-3054343
Roma: Policlinico "Umberto I". V.le del Policlinico, 155, 161. Telefono: 06.4997.8000
Verona: Az. Osp. Integrata Verona. Piazzale Aristide Stefani, 1, 37126. Telefono: 800.011.858

Vedere la sezione 4 sulle misure di primo soccorso.

SEZIONE 2: IDENTIFICAZIONE DEI PERICOLI

2.1. Classificazione della sostanza o della miscela

Non classificato secondo il Regolamento CE n. 1272/2008 (CLP).

2.2. Elementi dell'etichetta

Pittogrammi di pericolo:
Non applicabile.

Avvertenza:
Non applicabile.

Indicazioni di pericolo:
Non applicabile.

Consigli di prudenza:

Generale:
-

Prevenzione:
-

Reazione:
-

Conservazione:
-

Smaltimento:
-

Contenuto:
Non contiene sostanze Soggette all'obbligo di notifica

▼*Altre etichette:*
EUH210, Scheda dati di sicurezza disponibile su richiesta.
Non applicabile.

Etichettatura dei contenuti conforme al Regolamento sui detergenti 648/2004 (applicabile agli imballaggi dei detersivi venduti al pubblico):

>15% - <30%
· Tensioattivi Non ionici
< 5%
· Tensioattivi anfoteri
· Tensioattivi anionici
· Conservanti (PHENOXYETHANOL)

2.3. Altri pericoli

Altro:
Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.
Questo prodotto non contiene sostanze considerate interferenti endocrini conformemente ai criteri stabiliti nel regolamento delegato (UE) 2017/2100 della Commissione o nel regolamento (UE) 2023/707 della Commissione.

SEZIONE 3: COMPOSIZIONE/INFORMAZIONI SUGLI INGREDIENTI

3.1. Sostanze

Non applicabile. Questo prodotto è una miscela.

3.2. Miscele

Prodotto/ingrediente	Identificatori	% w/w	Classificazione	Not.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	n. CAS: 147170-44-3 n. CE: 604-575-4 REACH: n. indice:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	n. CAS: 85536-23-8 n. CE: REACH: 01-2119565130-50-0000 n. indice:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenossietanolo;fenil glicol	n. CAS: 122-99-6 n. CE: 204-589-7 REACH: 01-2119488943-21 n. indice: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Il testo completo delle frasi H è riportato alla sezione 16. I valori limite per l'igiene del lavoro sono riportati alla sezione 8, se disponibili.

Altre informazioni

[19] UVCB = Indica sostanze di composizione sconosciuta o variabile, prodotti di una reazione complessa o materiali biologici.

SEZIONE 4: MISURE DI PRIMO SOCCORSO

4.1. Descrizione delle misure di primo soccorso

Generalità:

In caso di incidenti: consultare il medico oppure un ospedale. Portare con sè l'etichetta oppure questa scheda di sicurezza. Il medico potrà rivolgersi alla clinica di medicina ambientale e del lavoro.
In caso di sintomi importanti o in caso di dubbio sulle condizioni di salute, consultare un medico. Non somministrare mai a una persona incosciente acqua o liquidi.

▼*Inalazione:*

Se necessario, portare la persona all'aria aperta.

Contatto con la pelle:

In caso di irritazione: lavare la parte irritata per togliere il prodotto. Se l'irritazione persiste consultare un medico.

▼*Contatto con gli occhi:*

Sciacquare delicatamente con acqua tiepida. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. In caso di irritazione o fastidio persistente agli occhi: consultare un medico.

▼*Ingestione:*

Sciacquare bene la bocca e bere molta acqua. Se il fastidio persiste, consultare un medico e mostrare la scheda dati di sicurezza.

Combustione:

Non applicabile.

4.2. Principali sintomi ed effetti, sia acuti che ritardati

Non noto.

4.3. Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali

Trattare sintomaticamente.

Nota per il medico

Portare con sé la presente scheda di sicurezza oppure l'etichetta del materiale.

SEZIONE 5: MISURE DI LOTTA ANTINCENDIO

5.1. Mezzi di estinzione
Non applicabile.

5.2. Pericoli speciali derivanti dalla sostanza o dalla miscela
In caso d'incendio si sviluppa un fumo denso. L'esposizione ai prodotti di degradazione può rappresentare un pericolo per la salute. I contenitori chiusi esposti al fuoco possono essere spenti con acqua. Non versare l'acqua proveniente dagli idranti negli scarichi e nelle fogne.
Se il prodotto viene esposto a temperature elevate, ad es. in caso d'incendio, può dare origine a prodotti di degradazione pericolosi. Essi sono:
Ossidi di carbonio (CO / CO2)

5.3. Raccomandazioni per gli addetti all'estinzione degli incendi
Nessun requisito particolare.

SEZIONE 6: MISURE IN CASO DI RILASCIO ACCIDENTALE

6.1. Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza
Le aree contaminate possono essere scivolose.

6.2. Precauzioni ambientali
Non scaricare il prodotto in laghi, fiumi, scarichi ecc.
Tenere le persone non autorizzate lontane dalla fuoriuscita

6.3. Metodi e materiali per il contenimento e per la bonifica
Contenere e raccogliere i versamenti con materiale non combustibile, assorbente, ad es. sabbia, terra diatomacea e riporre nel contenitore per lo smaltimento ai sensi dei regolamenti locali.
La pulizia viene eseguita per quanto possibile con detergenti. Evitare l'uso di solventi.

6.4. Riferimento ad altre sezioni
Vedere la sezione 13 "Considerazioni sullo smaltimento" sulla gestione dei rifiuti.
Vedere la sezione 8 "Controlli dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

SEZIONE 7: MANIPOLAZIONE E IMMAGAZZINAMENTO

7.1. Precauzioni per la manipolazione sicura
Non fumare, mangiare né bere nei locali.
Vedere la sezione 8 "Controllo dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

7.2. ▼Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità

Compatibilità degli imballaggi:
Conservare soltanto nell'imballaggio originale.

Condizioni di conservazione:
Asciutto, fresco e ben ventilato

Materiali incompatibili:
Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

7.3. Usi finali particolari
Questo prodotto deve essere utilizzato solo per gli scopi descritti nella sezione 1.2.

SEZIONE 8: CONTROLLI DELL'ESPOSIZIONE/DELLA PROTEZIONE INDIVIDUALE

8.1. Parametri di controllo
Il prodotto non contiene alcuna sostanza elencata nella lista italiana di sostanze con un limite di esposizione sul posto di lavoro.

DNEL

2-fenossietanolo;fenil glicol

Durata:	Via di esposizione:	DNEL:
Lungo termine - effeti sistemici	Cutanea	10,42 mg/kg
Lungo termine - effetti sistemici - lavoratori	Cutanea	34.72 mg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	20,83 mg/kg
Lungo termine - effeti sistemici	Inalazione	2,41 mg/m³
Lungo termine - effetti locali - lavoratori	Inalazione	5,7 mg/m³
Lungo termine - effetti sistemici - lavoratori	Inalazione	5,7 mg/m³
Lungo termine - effetti sistemici - lavoratori	Inalazione	8.07 mg/m³
Lungo termine	Orale	9,23 mg/kg

PNEC

2-fenossietanolo;fenil glicol

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		0,943 mg/L
Acqua marina		0.0943 mg/L
Impianto di trattamento delle acque reflue		24,8 mg/L
Impianto di trattamento delle acque reflue	Singolo	36 mg/L
Sedimenti di acqua dolce		7.2366 mg/kg
Sedimenti di acqua marina		0,7237 mg/kg
Terreno		1,26 mg/kg

8.2. ▼Controlli dell'esposizione

Applicare un controllo generale per evitare un'esposizione non necessaria.

Precauzioni generali:

Non fumare, mangiare né bere nei locali.

Scenari di esposizione:

Non ci sono scenari di esposizione implementati per questo prodotto.

Limiti di esposizione:

Non sono riportati limiti di esposizione per le sostanze contenute nel prodotto.

Misure tecniche:

Applicare precauzioni standard durante l'uso del prodotto. Evitare l'inalazione di vapori.

▼*Misure igieniche:*

Lavare le mani dopo l'uso.

Misure per la limitazione dell'esposizione ambientale:

Nessun requisito particolare.

Misure di protezione individuale, quali dispositivi di protezione individuale

Generalità:

Usare solo equipaggiamento protettivo con il marchio CE.

Vie aeree:

Tipo	Classe	Colore	Norme	
Nessuna condizione particolare per il normale uso previsto.				

Cute e corpo:

Raccomandato	Tipo/Categoria	Norme	
Nessuna condizione	-	-	

Raccomandato	Tipo/Categoria	Norme	
particolare per il normale uso previsto			

Mani:

Situazione di lavoro	Materiale	Spessore minimo (mm)	Tempo di permeazione (min.)	Norme	
Nel caso di esposizione prolungata o concentrazioni elevate	Nessuna condizione particolare per il normale uso previsto	-	-	-	
	Nitril	0.35			

Occhi:

Situazione di lavoro	Tipo	Norme	
	Nessuna condizione particolare per il normale uso previsto.	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Indossare occhiali di sicurezza con protezioni laterali.	EN166	

SEZIONE 9: PROPRIETÀ FISICHE E CHIMICHE

9.1. Informazioni sulle proprietà fisiche e chimiche fondamentali

Stato fisico:
Liquido

▼*Colore:*
Incolore

Odore / Soglia olfattiva (ppm):
Caratteristico

pH:
ca. 9.0

Densità (g/cm³):
1,04 (20 °C)

Viscosità cinematica::
Dati non disponibili.

Caratteristiche delle particelle:
Non si applica ai liquidi.

Modifica di stato e vapore

punto di fusione/punto di congelamento (°C):
Dati non disponibili.

Punto/intervallo di rammollimento (°C):
Non si applica ai liquidi.

Punto di ebollizione (°C):
Dati non disponibili.

Pressione del vapore:
Dati non disponibili.

Densità di vapore relativa:
Dati non disponibili.

Temperatura di decomposizione (°C):
Dati non disponibili.

Dati relativi al pericolo di incendio e di esplosione

Punto di fiamma (°C):
Dati non disponibili.

Infiammabilità (°C):
Dati non disponibili.

Temperatura di autoaccensione (°C):
Dati non disponibili.

Limite di esplosione (% v/v):
Dati non disponibili.

Solubilità

Solubilità in acqua:
Completamente solubile

Coefficiente n-ottanolo/acqua (LogKow):
Dati non disponibili.

Solubilità in grassi (g/L):
Dati non disponibili.

9.2. Altre informazioni

Altri parametri fisici e chimici:
Dati non disponibili.

Proprietà ossidanti:
Dati non disponibili.

SEZIONE 10: STABILITÀ E REATTIVITÀ

10.1. Reattività
Dati non disponibili.

10.2. Stabilità chimica
Il prodotto è stabile nelle condizioni riportate nella sezione 7 "Manipolazione e immagazzinamento".

10.3. Possibilità di reazioni pericolose
Non noto.

10.4. Condizioni da evitare
Non noto.

10.5. Materiali incompatibili
Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

10.6. Prodotti di decomposizione pericolosi
In normali condizioni di stoccaggio e utilizzo, non devono essere prodotti prodotti di decomposizione pericolosi.

SEZIONE 11: INFORMAZIONI TOSSICOLOGICHE

11.1. Informazioni sulle classi di pericolo definite nel regolamento (CE) n. 1272/2008

Tossicità acuta

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 401
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50
Risultato:	>5.000 mg/kg

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 402
Specie:	Ratto
Via di esposizione:	Cutanea
Test:	DL50
Risultato:	>2.000 mg/kg

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specie:	Ratto
Via di esposizione:	Cutanea
Test:	DL50
Risultato:	>2000 mg/kg

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50
Risultato:	>2000 mg/kg

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specie:	Ratto
Via di esposizione:	Cutanea
Test:	DL50
Risultato:	>2000 mg/kg

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50
Risultato:	1840 mg/kg

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Coniglio
Via di esposizione:	Cutanea
Risultato:	>5000 mg/kg

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Corrosione/irritazione cutanea

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metodo di prova:	OCSE 404
Specie:	Porcellino d'india
Risultato:	Effetti nocivi osservati (Irritante)

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Risultato:	Effetti nocivi osservati (Corrosivo)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Lesioni oculari gravi/irritazioni oculari gravi

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Risultato:	Effetti nocivi osservati (Provoca gravi lesioni oculari)

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 404
Specie:	Coniglio
Risultato:	Effetti nocivi osservati (Leggermente irritante)

Prodotto/ingrediente	2-fenossietanolo;fenil glicol

Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione respiratoria
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione cutanea
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Mutagenicità delle cellule germinali
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Cancerogenicità
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità per la riproduzione
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione singola
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione ripetuta
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Pericolo in caso di aspirazione
Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

11.2. Informazioni su altri pericoli

Effetti cronici
Non noto.

Proprietà di interferenza con il sistema endocrino
In base ai dati disponibili, il prodotto non contiene sostanze elencate nelle principali liste europee di potenziali o sospetti interferenti endocrini con effetti sulla salute umana oggetto di valutazione.

Altre informazioni
Non noto.

SEZIONE 12: INFORMAZIONI ECOLOGICHE

12.1. Tossicità

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 203
Specie:	Pesce, Pimephales promelas
Test:	LC50
Risultato:	>1-10 mg/L

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 202
Specie:	Crostacei, Daphnia magna
Test:	EC50
Risultato:	>1-10 mg/L

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 201
Specie:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Risultato:	>1-10 mg/L

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 209

Specie:	Pseudomonas putida
Comparto ambientale:	Impianto per i fanghi attivi
Test:	EC0
Risultato:	>100 mg/L

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 210
Specie:	Pesce
Test:	NOEC
Risultato:	>0,1-1 mg/L

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metodo di prova:	OCSE 211
Specie:	Crostacei, Daphnia magna
Test:	NOEC
Risultato:	>0,1-1 mg/L

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metodo di prova:	OCSE 201
Specie:	Alghe
Comparto ambientale:	Acqua dolce
Durata:	72 ore
Test:	EC50
Risultato:	410 mg/L

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metodo di prova:	OCSE 203
Specie:	Pesce
Comparto ambientale:	Acqua dolce
Durata:	96 ore
Test:	LC50
Risultato:	2,9 mg/L

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metodo di prova:	OCSE 201
Specie:	Alghe
Comparto ambientale:	Acqua dolce
Durata:	72 ore
Test:	NOEC
Risultato:	4,9 mg/L

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Pesce
Durata:	96 ore
Test:	LC50
Risultato:	>100 mg/L

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Alghe
Durata:	72 ore
Test:	ErC50
Risultato:	>100 mg/L

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Daphnia magna
Durata:	48 ore
Test:	EC50
Risultato:	>100 mg/L

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Pesce
Test:	NOEC
Risultato:	23 mg/L

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Specie:	Andere waterorganismen
Durata:	30 minutes
Test:	EC50
Risultato:	>1000 mg/L

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

12.2. Persistenza e degradabilità

Prodotto/ingrediente	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusione:	Pronta biodegradabilità

Prodotto/ingrediente	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusione:	Pronta biodegradabilità

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
Risultato:	>70
Conclusione:	Pronta biodegradabilità
Test:	OCSE 301 A

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

12.3. Potenziale di bioaccumulo

Prodotto/ingrediente	2-fenossietanolo;fenil glicol
BCF:	0.349
LogKow:	1.2
Conclusione:	-

12.4. Mobilità nel suolo

Dati non disponibili.

12.5. Risultati della valutazione PBT e vPvB

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

12.6. Proprietà di interferenza con il sistema endocrino

Questa sostanza/miscela non contiene componenti considerati aventi proprietà di interferenza endocrina in relazione all'ambiente.

12.7. Altri effetti avversi

Non noto.

SEZIONE 13: CONSIDERAZIONI SULLO SMALTIMENTO

13.1. Metodi di trattamento dei rifiuti

Il prodotto non rientra nell'elenco delle sostanze pericolose.
Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Codice CER:

20 01 30	Detergenti diversi da quelli di cui alla voce 20 01 29

Imballaggio contaminato

Gli imballaggi contenenti piccoli resti del prodotto devono essere smaltiti allo stesso modo del prodotto.

SEZIONE 14: INFORMAZIONI SUL TRASPORTO

	14.1 ONU	14.2 Designazione ufficiale ONU di trasporto	14.3 Classi di pericolo connesso al trasporto	14.4 PG*	14.5. Env**	Altre informazioni:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Gruppo d'imballaggio

** Pericoli per l'ambiente

Altro

Prodotto non pericoloso in base ai criteri della normativa sul trasporto via terra, IATA e via mare.

14.6. Precauzioni speciali per gli utilizzatori

Non applicabile.

14.7. Trasporto marittimo alla rinfusa conformemente agli atti dell'IMO

Dati non disponibili.

SEZIONE 15: INFORMAZIONI SULLA REGOLAMENTAZIONE

15.1. Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela

Limitazioni d'uso:

Uso ristretto agli utilizzatori professionali.

Esigenza di istruzioni particolari:

Nessun requisito particolare.

SEVESO - Categorie / Sostanze pericolose:

Non applicabile.

Etichettatura dei contenuti conforme al Regolamento sui detergenti 648/2004:

>15% - <30%
· Tensioattivi Non ionici
< 5%
· Tensioattivi anfoteri
· Tensioattivi anionici
· Conservanti (PHENOXYETHANOL)

Altro:

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

Fonti:

Regolamento (CE) n. 648/2004 del Parlamento europeo e del Consiglio, del 31 marzo 2004, relativo ai detergenti.
Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.
Regolamento (CE) n. 1272/2008 del Parlamento europeo e del Consiglio del 16 dicembre 2008 relativo alla classificazione, all'etichettatura e all'imballaggio delle sostanze e delle miscele (CLP).
Regolamento (CE) n. 1907/2006 del Parlamento europeo e del Consiglio, del 18 dicembre 2006, concernente la registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH).

15.2. Valutazione della sicurezza chimica

No

SEZIONE 16: ALTRE INFORMAZIONI

Il testo completo delle frasi H è riportato nella sezione 3

H302, Nocivo se ingerito.
H315, Provoca irritazione cutanea.
H318, Provoca gravi lesioni oculari.
H319, Provoca grave irritazione oculare.
H335, Può irritare le vie respiratorie.
H412, Nocivo per gli organismi acquatici con effetti di lunga durata.

Abbreviazioni e acronimi

ADN = Norme Europee relative al Trasporto Internazionale di Merci Pericolose per Vie Navigabili Interne
ADR = Accordo Europeo relativo al Trasporto Internazionale di Merci Pericolose su Strada
ATE = Stima della Tossicità Acuta
BCF = Fattore di Bioconcentrazione
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CER = Catalogo Europeo dei Rifiuti
CLP = Classificazione, Etichettatura e Imballaggio [Regolamento (CE) N. 1272/2008]
CSA = Valutazione sulla Sicurezza Chimica
CSR = Relazione sulla Sicurezza Chimica
DMEL = Livello derivato con effetti minimi
DNEL = Livello derivato senza effetto
EINECS = Inventario Europeo delle Sostanze chimiche Esistenti a carattere Commerciale
ES = Scenario di Esposizione Indicazione
EUH = disposizioni di rischio specifiche al regolamento CLP
EuPCS = Sistema europeo di categorizzazione dei prodotti
GHS = Sistema Mondiale Armonizzato di Classificazione ed Etichettatura delle Sostanze Chimiche
GWP = Potenziale di riscaldamento globale
IATA = Associazione Internazionale per il Trasporto Aereo
IBC = Contenitori Bulk
IMDG = Trasporto Marittimo Internazionale di Merci Pericolose
Log Kow = log del coefficiente di ripartizione ottanolo/acqua
MARPOL = Convenzione Internazionale del 1973 per la Prevenzione dell'Inquinamento causato dalle Navi e il relativo protocollo del 1978
OCSE = Organizzazione per la Cooperazione e lo Sviluppo Economico
ONU = Organizzazione delle Nazioni Unite
PBT = Persistente, Bioaccumulante, Tossico
PNEC = Concentrazione Prevedibile Priva di Effetti
RID = I Regolamenti concernenti il Trasporto Internazionale di Merci Pericolose per Ferrovia
RRN = Numero REACH di Registrazione
rc = gli altri rifiuti soggetti a controllo
rcm = gli altri rifiuti soggetti a controllo con obbligo di modulo di accompagnamento
rs = rifiuti speciali
SCL = Limite di concentrazione specifico
SVHC = Sostanze Molto Pericolose
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Ripetuta
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Singola
TWA = Media ponderata nel tempo
UVCB = Indica sostanze di composizione sconosciuta o variabile, prodotti di una reazione complessa o materiali biologici.
VOC = Composti Organici Volatili
vPvB = Molto Persistente e Molto Bioaccumulabile

▼Altro

Conformemente all'articlo 31 del REACH, non è richiesta una scheda sulle informazioni di sicurezza per il prodotto. La presente scheda sulle informazioni di sicurezza è stata redatta su base volontaria allo scopo di fornire informazioni rilevanti come richiesto dall'articolo 32 del REACH.

Convalidato da

Quality & Compliance

Altro

La presenza di un triangolo indica una modifica rispetto alla versione precedente (primo numero nella versione SDS, vedere sezione 1).
Le indicazioni riportate nella presente scheda di dati di sicurezza si applicano esclusivamente al prodotto indicato nella sezione 1 e non si applicano necessariamente in caso di utilizzo con altri prodotti.
Si consiglia di consegnare la presente scheda di dati di sicurezza all'utente del prodotto. Le informazioni riportate non possono essere utilizzate come specifiche prodotto.
Nazione-lingua: IT-it

安全データシート

i.2 kitchen cleaner FlexDose Ultra

項目 1: 物質/製剤および会社/企業の特定

1.1. 製品識別子

製品名*:*
i.2 kitchen cleaner FlexDose Ultra

1.2. 推奨用途及び使用上の制限

物質または混合物で関連の特定使用*:*
洗剤および洗浄剤（溶剤系を含む）
産業用専用。

対提言使用*:*
不明。

1.3. 安全データシートの供給業者の詳細

会社と住所*:*
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

電子メール*:*
info@hygeniq.com

SDS 日付*:*
2025/08/05

SDS バージョン*:*
2.0

前作成日*:*
2025/07/16 (2.0)

1.4. 緊急連絡用電話番号（受付時間）
緊急時には119（24時間サービス）に電話すること
公益財団法人 日本中毒情報センター：+81-72-727-2499
項目4を参照：応急措置

項目2: 危険有害性の要約

2.1. 物質または混合物の分類

GHS による分類なし

2.2. ラベル要素

危険有害性の絵文字*:*
該当なし.

注意喚起語*:*

該当なし.

危険有害性情報:
該当なし.

注意書き:

概要:
-

安全対策:
-

応急措置:
-

保管:
-

廃棄:
-

危険有害性成分:
報告に必要な物質が含まれていません

追加ラベル付け:
該当なし.

項目3: 組成及び成分情報

3.1. 成分
該当なし. この製品は混合物です。

3.2. 混合物

製品 / 成分	識別子	**% w/w**	分類	注記
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS番号 : 147170-44-3 EC番号 : 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS番号 : 85536-23-8 EC番号 :	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS番号 : 122-99-6 EC番号 : 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

セクション16のHフレーズの全文を参照のこと。職業ばく露限界は利用可能な場合は、セクション8に記載されている。

その他の情報
UVCB = 未知または可変組成、複雑な反応生成物、または生物学的材料のもの。

項目4: 応急措置

4.1. 応急処置の解説

一般情報:

事故の場合：医師または緊急部門に連絡すること - ラベルまたはこの安全データシートを持参する。
被害者の状態に疑問がある場合、または症状が継続する場合は、医師に連絡すること。絶対に意識不明の人に水やその他の飲み物を与えないこと。

吸入した場合:
不快感がある場合：被害者を新鮮な空気を吸える場所に移動する。

皮膚に付着した場合:
刺激が発生した場合：水ですすぐ。刺激が続く場合は、医師と相談すること。

眼に入った場合:
ぬるま湯で優しく洗い流してください。 簡単にコンタクトレンズを外せる場合は外してください。 すすぎを続けます。
目の炎症や不快感が続く場合: 医師の診察を受けてください。

飲み込んだ場合:
水で口を十分に洗い、多量の水を飲むこと。不快感が続く場合：この安全データシートを持参して、医師と相談すること。

やけど:
該当なし.

4.2. 重大な症状と作用の大部分には、急性および遅延性の両方がある
不明。

4.3. 何らかの即時の手当および特別な治療が必要とされることの表示
対症療法を行う。

医師に対する特別な注意事項
この安全データシートを持参のこと。

項目5: 火災時の措置

5.1. 消火剤
該当なし.

5.2. 物質または混合物から生じる特別な危険有害性
火は濃い煙をもたらす。燃焼製品にさらされると、健康に害を及ぼす可能性がある。火にさらされた密閉容器は、水で冷却するべきである。絶対に、消火水が下水や近くの地表水に入らないようにする。
例えば火災など製品が高温にさらされた場合、危険な分解化合物が生成される。これらは次がある：
酸化炭素 (CO / CO2)

5.3. 消防士に対する助言
特定の要件なし.

項目6: 漏出時の措置

6.1. 人体に対する注意事項，保護具及び緊急時措置
汚染区域は滑りやすい場合がある。

6.2. 環境に対する注意事項
湖、小川、下水道などへの排出を避けること。
権限のない人を流出から遠ざける

6.3. 封じ込め及び浄化の方法及び機材
不燃性、吸収性物質で流出物を入れて収集します。 砂、土、バーミキュライトまたは珪藻土を廃棄し、地元の規制に従って廃棄できるように容器に入れます。
洗浄は可能な限り、通常の洗浄剤で行う。溶剤の使用は避けること。

6.4. 他のセクションを参照
廃棄物取り扱いの追加情報に関してはセクション13を参照。
適切な個人保護装置に関する情報についてはセクション8を参照。

項目7: 取扱い及び保管上の注意

7.1. 安全に取扱うための注意事項
作業場での喫煙、飲酒、食べ物の摂取は禁止する。
作業者保護に関する情報については、「ばく露制御/個人保護」のセクションを参照のこと。

7.2. あらゆる配合禁忌を含む、安全な保管条件

推奨保管材料:
他の容器に移し替えないこと。

保管条件:
乾燥、涼しい、十分な換気

混触危険物質:
強酸、強塩基、強酸化剤、及び強い還元剤。

7.3. 特定の最終用途
この製品はセクション1.2で引用した応用のみに使用しなければならない。

項目8: ばく露防止及び保護措置

8.1. 許容濃度
職業ばく露限界のある物質の全国リストに記載されている物質はない。

8.2. 暴露の管理
不必要な被ばくを防ぐため、全般的な管理を行います。

一般的な推奨事項:
作業場での喫煙、飲酒、食べ物の摂取は禁止する。

ばく露シナリオ:
"この製品にはばく露シナリオは実装されていない。

暴露限界値:
この製品の物質に対する職業ばく露限界は定義されていない。

適切な技術的管理:
本製品の使用中には、標準的予防措置が適用されます。蒸気の吸入を避けます。

衛生対策:
使用後に手を洗うこと.

環境暴露管理:
特定の要件なし.

個人の保護措置

一般的:
CEマークが付いた保護具のみを使用すること。

呼吸用保護具:

推奨フィルタの種類	クラス	クラス	標準	
目的のとおりに使用する場合は、特別な条件はない				

身体保護具:

推奨	タイプ / カテゴリ	標準	
目的のとおりに使用する場合は、特別な条件はない	-	-	

手の保護具:

工事状況	材料	手袋の厚さ（mm）	破過時間（分）	標準	
長期被爆または高濃度の場合	目的のとおりに使用する場合は、特別な条件はない	-	-	-	
	Nitril	0.35			

保護眼鏡/保護面:

工事状況	推奨	標準	
	目的のとおりに使用する場合は、特別な条件はない	-	
長期被爆または高濃度の場合	サイドシールド付き安全メガネ	EN166	

項目9: 物理的及び化学的性質

9.1. 基本的な物理学的および化学的特性に関する情報

物理的状:
液体

▼色:
無色

臭い:
特性

臭気しきい値（*ppm*）:
利用可能なデータなし.

pH:
ca. 9.0

比重 (*g/cm³*):
1.04 (20 °C)

粘度:
利用可能なデータなし.

粒子特性:
液体には適用されません。

フェーズの変更

融点・凝固点 (*°C*):
利用可能なデータなし.

軟化点/範囲 (*°C*):
液体には適用されません。

沸点/沸騰範囲 (*°C*):
利用可能なデータなし.

蒸気圧:
利用可能なデータなし.

蒸気密度:
利用可能なデータなし.

分解温度 (*°C*):
利用可能なデータなし.

蒸発速度:

火災および爆発の危険性に関するデータ

引火点 (*°C*):
利用可能なデータなし.

引火性 (*°C*):
利用可能なデータなし.

自然発火温度 (*°C*):
利用可能なデータなし.

爆発（燃焼）限界の上限および下限 (% *v/v*):
利用可能なデータなし.

溶解度

水中の溶解度:
完全に溶ける

分配係数 (*LogKow*):
利用可能なデータなし.

脂肪の溶解度（*g/L*）:
利用可能なデータなし.

9.2. その他の情報

揮発性有機化合物(*VOC*):

その他の物理的および化学的パラメータ:
利用可能なデータなし.

酸化特性:
利用可能なデータなし.

項目10: 安定性及び反応性

10.1. 反応性
利用可能なデータなし.

10.2. 化学的安定性
製品は「取り7 扱いと保管」のセクションに記載されている条件下で安定している。

10.3. 危険有害反応可能性
不明。

10.4. 避けるべき条件
不明。

10.5. 混触危険物質
強酸、強塩基、強酸化剤、及び強い還元剤。

10.6. 危険有害な分解生成物
通常の保管および使用条件下では、有害な分解生成物は発生しません。

項目11: 有害性情報

11.1. 毒物学的作用に関する情報

急性毒性

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 401
種類:	ラット
暴露経路:	経口
テスト:	LD50

結果: >5.000 mg/kg

製品 / 成分: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法: OECD 402
種類: ラット
暴露経路: 皮膚
テスト: LD50
結果: >2.000 mg/kg

製品 / 成分: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
種類: ラット
暴露経路: 皮膚
テスト: LD50
結果: >2000 mg/kg

製品 / 成分: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
種類: ラット
暴露経路: 経口
テスト: LD50
結果: >2000 mg/kg

製品 / 成分: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
種類: ラット
暴露経路: 皮膚
テスト: LD50
結果: >2000 mg/kg

製品 / 成分: 2-phenoxyethanol
種類: ラット
暴露経路: 経口
テスト: LD50
結果: 1840 mg/kg

製品 / 成分: 2-phenoxyethanol
種類: ウサギ
暴露経路: 皮膚
結果: >5000 mg/kg

使用可能なデータを基にすると、分類基準が満たされていません。

刺激性/腐食性

製品 / 成分: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
試験方法: OECD 404
種類: テンジクネズミ
結果: 副作用が認められる (刺激する)

製品 / 成分: 2-phenoxyethanol
結果: 副作用が認められる (腐食剤)

使用可能なデータを基にすると、分類基準が満たされていません。

重篤な眼の損傷/刺激

製品 / 成分: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
結果: 副作用が認められる (重篤な眼の損傷)

製品 / 成分: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法: OECD 404
種類: ウサギ

結果:	副作用が認められる (わずかな刺激がある)

製品 / 成分	2-phenoxyethanol
結果:	副作用が認められる (重篤な眼の損傷)

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸器ま感作
使用可能なデータを基にすると、分類基準が満たされていません。

皮膚感作
使用可能なデータを基にすると、分類基準が満たされていません。

変異原性
使用可能なデータを基にすると、分類基準が満たされていません。

発がん性
使用可能なデータを基にすると、分類基準が満たされていません。

催奇形性 / 発育への影響
使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器／全身毒性（単回暴露）
使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器／全身毒性（反復暴露）
使用可能なデータを基にすると、分類基準が満たされていません。

呼吸に対する危険有害性
使用可能なデータを基にすると、分類基準が満たされていません。

健康への慢性効果の可能性
不明。

項目12: 環境影響情報

12.1. 毒性

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 203
種類:	魚類, Pimephales promelas
テスト:	LC50
結果:	>1-10 mg/L

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 202
種類:	甲殻綱, Daphnia magna
テスト:	EC50
結果:	>1-10 mg/L

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 201
種類:	Andere waterorganismen, Desmodesmus subspicatus
テスト:	EC50
結果:	>1-10 mg/L

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 209
種類:	Pseudomonas putida
環境:	活性スラッジプラント
テスト:	EC0

結果:	>100 mg/L

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 210
種類:	魚類
テスト:	NOEC
結果:	>0,1-1 mg/L

製品 / 成分	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
試験方法:	OECD 211
種類:	甲殻綱, Daphnia magna
テスト:	NOEC
結果:	>0,1-1 mg/L

製品 / 成分	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
試験方法:	OECD 201
種類:	藻類
環境:	真水
存続期間:	72 時間
テスト:	EC50
結果:	410 mg/L

製品 / 成分	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
試験方法:	OECD 203
種類:	魚類
環境:	真水
存続期間:	96 時間
テスト:	LC50
結果:	2,9 mg/L

製品 / 成分	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
試験方法:	OECD 201
種類:	藻類
環境:	真水
存続期間:	72 時間
テスト:	NOEC
結果:	4,9 mg/L

製品 / 成分	2-phenoxyethanol
種類:	魚類
存続期間:	96 時間
テスト:	LC50
結果:	>100 mg/L

製品 / 成分	2-phenoxyethanol
種類:	藻類
存続期間:	72 時間
テスト:	ErC50
結果:	>100 mg/L

製品 / 成分	2-phenoxyethanol
種類:	Daphnia magna
存続期間:	48 時間
テスト:	EC50
結果:	>100 mg/L

製品 / 成分	2-phenoxyethanol

種類: 魚類
テスト: NOEC
結果: 23 mg/L

製品 / 成分 2-phenoxyethanol
種類: Andere waterorganismen
存続期間: 30 minutes
テスト: EC50
結果: >1000 mg/L

使用可能なデータを基にすると、分類基準が満たされていません。

12.2. 残留性・分解性
製品 / 成分 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
結論: 生分解しやすい

製品 / 成分 Amides, rape-oil, N-(hydroxyethyl), ethoxylated
結論: 生分解しやすい

製品 / 成分 2-phenoxyethanol
結果: >70
結論: 生分解しやすい
テスト: OECD 301 A

12.3. 生体蓄積性
製品 / 成分 2-phenoxyethanol
BCF: 0.349
LogKow: 1.2
結論: -

12.4. 土壌中の移動性
利用可能なデータなし.

12.5. 12.5.PBTおよび**vPvB**評価の結果
この混合物/製品には、PBTまたはvPvB、もしくはその両者として分類される基準を満たすと考慮される物質は含まれていない。

12.6. その他の悪影響
不明。

項目13: 廃棄上の注意

廃棄物処理方法
製品は危険廃棄物に関する規制の対象外である。

特定のラベル

汚染された包装
製品の残渣を含む包装は製品と同様に処分する必要がある。

項目14: 輸送上の注意

	14.1 国連番号	**14.2** 輸送固有名	**14.3** 範疇	**14.4 PG***	**14.5 Env****	その他の情報:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 容器等級

** 環境有害性

追加情報

ADR、IATAおよびIMDGによると危険物ではない。

14.6. 使用者のための特別な予防措置

該当なし.

14.7. MARPOL条約の附属書**II**および**IBC**コードによるばら積み運搬

利用可能なデータなし.

項目15: 適用法令

15.1. 物質または混合物ごとに個別に関連する、安全、健康および環境に関する規則/法律

応用の制限*:*

産業用専用。

特定教育に対する要求*:*

特定の要件なし.

その他の情報*:*

該当なし.

既存および新規化学物質（*ENCS):*

どの化学成分も表示されていない。

毒物及び劇物取締法*:*

どの化学成分も表示されていない。

化管法 (*PRTR):*

どの化学成分も表示されていない。

有機溶剤中毒予防規則*:*

どの化学成分も表示されていない。

ソース*:*

GHS に基づく化学品の分類方法. JIS Z 7252 (2019)
GHS に基づく化学品の危険有害性情報の 伝達方法－ラベル，作業場内の表示及び 安全データシート (SDS). JIS Z 7253 (2019)

項目16: その他の情報

セクション3に記載の**H**フレーズ全文

H302, 飲み込むと有害。
H315, 皮膚刺激。
H318, 重篤な眼の損傷。
H319, 強い眼刺激。
H335, 呼吸器への刺激のおそれ。
H412, 長期的影響により水生生物に有害。

セクション1に記載の識別された使用の全文

不明。

略語と頭字語

ACGIH = アメリカ産業衛生専門家会議
ADN = ヨーロッパ内陸水路危険物運送規定
ADR = ヨーロッパ道路危険物運送条約
ATE = 急性毒性見積
BCF = 生物濃縮係数
CAS = ケミカル・アブストラクト・サービス
EINECS = 欧州既存商業化学物質リスト

GHS = 化学品の分類および表示に関する世界調和システム
IARC = 国際がん研究機関
IATA = 国際航空運送協会
IMDG = 国際海上危険物規程
LogPow = オクタノール／水分配係数の対数
MARPOL = 1978年の議定書によって修正された1973年船舶による汚染防止のための国際条約
NIOSH = 国立労働安全衛生研究所
OECD = 経済協力開発機構
OSHA = 労働安全衛生局
RID = 鉄道による危険物の国際輸送に関する規制
RRN = REACH登録番号
SCL = には特定の濃度限界値（SCL）がある。
STEL = 短期ばく露限界
STOT-RE = 特定標的臓器毒性（反復ばく露）
STOT-SE = 特定標的臓器毒性 (単回ばく露)
TWA = 時間加重平均
UN = 国際連合
VOC = 揮発性有機化合物

追加情報

職業ばく露限界のある物質の全国リストに記載されている物質はない。
本製品には安全データシートは義務付けられていません。この安全データシートは関連情報を通知するため任意で作成されたものです。

安全データシートは次により確認される

Quality & Compliance

その他

変更（最後の本質的な変更（SDS バージョンの最初の文字、セクション1を参照）に対して）は、青い三角形で表示されている。
この安全データシートの情報はこの特定製品（セクション1に記載）にのみ適用され、他の化学薬品/製品で使用する場合は必ずしも正しいものではない。
この安全データシートを、製品の実際の利用者に渡すことを推奨する。この安全データシートの情報は製品仕様としては使用できない。
国-言語 : JP-ja

안전 데이타 시트

i.2 kitchen cleaner FlexDose Ultra

1: 물질/제품과 회사 정보

1.1. 제품 식별명

제품명:
i.2 kitchen cleaner FlexDose Ultra

1.2. 제품의 권고 용도와 사용상의 제한

물질 또는 혼합물의 적절한 식별 용도:
세제 및 세정제(솔벤트 기반 세제 포함)
전문 사용자 전용.

권고되는 사용 대상:
알려진 바 없습니다.

1.3. 물질안전보건자료의 공급자에 대한 자세한 사항

회사 세부정보:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

이메일:
info@hygeniq.com

SDS 날짜:
2025. 8. 5.

SDS 버전:
2.0

이전 호 발행일:
2025. 7. 16. (2.0)

1.4. 긴급전화번호
응급의료센터: 1339(24시간 서비스)
섹션 4: 응급조치

2: 유해성·위험성

2.1. 물질 또는 혼합물의 분류

화학 물질 및 물질 안전 보건 자료의 분류 라벨링 표준(MoEL No. 2016-19)에 따라 분류되지 않음.

2.2. 표지 요소

유해 그림문자:
해당사항 없음.

신호어:
해당사항 없음.

유해·위험 문구:

예방조치 문구:

일반:
-

예방:
-

대응:
-

저장:
-

폐기:
-

내용량, 성분 및 함유량:
신고가 필요한 물질을 포함하지 않음

추가 라벨링:
해당사항 없음.

3: 구성성분의 명칭 및 함유량

3.1. 물질
해당사항 없음. 이 제품은 혼합물입니다.

3.2. 혼합물

제품/성분	식별자	**% w/w**	분류	참고
물	CAS번호: 7732-18-5 EC: 231-791-2	60-80%		
alcohol ethoxylate	CAS번호: EC:	10-15%		
Amide ethoxylate	CAS번호: EC:	5-10%		
Propane-1,2-diol	CAS번호: 57-55-6 EC: 200-338-0	3-5%		
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS번호: 147170-44-3 EC: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS번호: 85536-23-8 EC:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
Sodium gluconate	CAS번호: 527-07-1 EC: 208-407-7	1-3%		
2-phenoxyethanol	CAS번호: 122-99-6 EC: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	
2,2',2''-nitrilotriethanol	CAS번호: 102-71-6 EC: 203-049-8	<1%		

N,N-dimethyldec-9-enamide	CAS번호: 1356964-77-6 EC: 806-919-0	<1%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412	
N-Myristoylsarcosine acid, sodium salt	CAS번호: 30364-51-3 EC: 250-151-3	<1%	Skin Irrit. 2, H315 (SCL: 30.00 %) Eye Dam. 1, H318	

섹션 16에 언급된 H-문구 전문을 참조하십시오. 작업장 노출 한도 자료가 있을 경우 섹션 8에 나옵니다.

그 밖의 참고사항
UVCB = 알 수 없거나 가변적인 조성, 복잡한 반응 생성물 또는 생물학적 물질

4: 응급조치 요령

4.1. 응급조치에 관한 기술

일반:
사고의 경우: 의사 또는 사상자 부서에 문의하고 (119) 라벨이나 이 물질 안전 보건자료를 지참하십시오.
부상 당한 사람의 상태가 의심되거나 증상이 지속되면 의사에게 문의하십시오. 의식이 없는 사람에게 물이나 다른 음료를 주지 마십시오.

흡입했을 때:
불편한 경우: 사람을 신선한 공기가 있는 곳으로 데려가십시오.

피부에 접촉했을 때:
자극 시: 물로 헹굽니다. 자극이 계속되면 의학적 도움을 받으십시오.

눈에 들어갔을 때:
미지근한 물로 부드럽게 헹구십시오. 가능하다면 콘택트렌즈를 제거하십시오. 계속해서 헹구십시오. 눈에 지속적인 자극이나 불편함이 있는 경우: 의사의 진료를 받으십시오.

먹었을 때:
입을 헹구고 씻고 다량의 물을 섭취하십시오. 계속 불편한 경우: 의료 지원을 요청하고 이 물질 안전 보건자료를 가져 가십시오.

화상:
해당사항 없음.

4.2. 가장 중요한 급성 및 지연 증상과 영향
알려진 바 없습니다.

4.3. 즉시 필요한 의학적 주의사항 및 특별한 처치 지침
증상에 따라 치료하십시오.

기타 의사의 주의사항
이 물질 안전 보건자료를 지참하십시오.

5: 폭발·화재시 대처방법

5.1. 소화제
해당사항 없음.

5.2. 물질 또는 혼합물로 부터 발생하는 특별한 위험
화재 시 짙은 연기가 발생합니다. 연소 제품에 노출되면 건강에 해를 줄 수 있습니다. 화재에 노출된 밀폐 용기는 물로 식혀야 합니다. 소화수가 하수 시스템 및 인근 지표수에 유입되지 않도록 하십시오.
제품이 예를 들어 화재와 같은 고온에 노출되면 위험한 분해 화합물이 생성됩니다. 예:
탄소 산화물 (CO / CO2)

5.3. 화재 진압에 대한 조언

특정한 요구 사항 없음.

6: 누출 사고 시 대처방법

6.1. 인체를 보호하기 위해 필요한 조치 사항 및 보호구
오염된 부분은 미끄러울 수 있습니다.

6.2. 환경을 보호하기 위해 필요한 조치사항
호수, 개울, 하수구 등으로 배출하지 마십시오.
허가받지 않은 사람이 누출물로부터 멀리 떨어지게 하십시오.

6.3. 정화 또는 제거 방법
유출물을 모래나 흙, 질석, 규조토와 같은 불연성, 흡수성 물질에 모아 담아 현지 규정에 따라 폐기 가능한 용기에 담으십시오.
가능한 일반적인 세척제로 세척합니다. 용제 사용을 피하십시오.

6.4. 기타 항목에대한 참조
폐기물 처리와 관련하여 13 '폐기시 주의사항' 섹션을 참조하십시오.
보호 조치는 8 '노출방지 및 개인보호구'섹션을 참조하십시오.

7: 취급 및 저장방법

7.1. 안전취급요령
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
개인 보호에 대한 정보는 '노출방지 및 개인보호구' 섹션을 참조하십시오.

7.2. 안전한 저장 방법(피해야 할 조건을 포함함)

권장되는 보관재료*:*
원래의 용기에만 보관하시오.

보관 조건*:*
건조하고 시원하며 통풍이 잘 됨

피해야 할 물질*:*
강산, 강염기, 강력한산화제 및 강력한 환원제

7.3. 구체적 사용 용도
이 제품은 섹션 1.2에 인용된 애플리케이션에만 사용해야 합니다.

8: 노출방지 및 개인보호구

8.1. 제어 변수
작업장 노출 한도가 있는 물질 목록에 있는 물질이 없습니다.

8.2. 노출 관리
불필요한 노출을 방지하려면 일반 통제를 적용하십시오.

일반 권장 사항*:*
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.

노출 시나리오*:*
이 제품에 대해 구현된 노출 시나리오가 없습니다.

노출 허용치*:*
이 제품의 물질에 대한 작업장 노출 한계가 정의되지 않았습니다.

적절한 공학적 관리*:*
제품 사용시 표준 예방 조치에 따른다. 수증기 흡입을 피한다.

위생상 주의사항*:*
사용 후 손을 씻으십시오.

환경 노출 관리*:*

특정한 요구 사항 없음.

개인 보호 조치

일반:
KC 마크 보호 장비만 사용하십시오.

호흡기 보호:

유형	등급	색상	표준	
의도한 대로 사용하면 특별하지 않습니다				

신체 보호:

추천	타입/범주	표준	
의도한 대로 사용하면 특별하지 않습니다	-	-	

손 보호:

작업 상황	물질	장갑 두께 (**mm**)	돌파 시간 (분)	표준	
긴 시간 노출 또는 높은 농도인 경우	의도한 대로 사용하면 특별하지 않습니다	-	-	-	
	Nitril	0.35			

눈/안면 보호구:

작업 상황	유형	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	
긴 시간 노출 또는 높은 농도인 경우	측면 실드가 있는 안전 안경	EN166	

9: 물리화학적 특성

9.1. 물리화학적 특성에 관한 정보

물리적 상태:
액체

▼색:
무색

냄새:
특성

냄새 역치 (*ppm*):
자료 없음.

pH:
ca. 9.0

비중 (*g/cm³*):
1.04 (20 °C)

점도:
자료 없음.

입자 특성:
액체에 사용하지 마십시오.

위상 변화

녹는점/어는점 (°*C*):
자료 없음.

액체에 사용하지 마십시오.

초기 끓는점과 끓는점 범위 (*°C):*
자료 없음.

증기압*:*
자료 없음.

증기밀도*:*
자료 없음.

분해 온도 (*°C):*
자료 없음.

화재 및 폭발 위험에 관한 데이터

인화점 (*°C):*
자료 없음.

인화성 (*°C):*
자료 없음.

자연발화 온도 (*°C):*
자료 없음.

인화 또는 폭발 범위의 상한/하한 (% *v/v):*
자료 없음.

용해도

물 용해도*:*
완전히 용해 가능

분배계수 (*LogKow):*
자료 없음.

지방 용해도(*g/L):*
자료 없음.

9.2. 그 밖의 참고사항

기타 물리적 및 화학적 매개변수*:*
자료 없음.

산화성*:*
자료 없음.

10: 안정성 및 반응성

10.1. 반응성
자료 없음.

10.2. 화학적 안정성
이 제품은7'취급 및 저장방법' 섹션에 명시된 조건에서 안정적입니다.

10.3. 유해 반응의 가능성
알려진 바 없습니다.

10.4. 피해야 할 조건
알려진 바 없습니다.

10.5. 피해야 할 물질
강산, 강염기, 강력한산화제 및 강력한 환원제

10.6. 분해시 생성되는 유해물질
정상적인 보관 및 사용 조건에서 위험한 분해 산물이 생성되어서는 안 됩니다.

11: 독성에 관한 정보

11.1. 독성 영향에 관한 정보

급성 독성

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 401
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	>5.000 mg/kg

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 402
생물종:	쥐
노출 경로:	피부
시험:	LD50
결과:	>2.000 mg/kg

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
생물종:	쥐
노출 경로:	피부
시험:	LD50
결과:	>2000 mg/kg

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	>2000 mg/kg

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
생물종:	쥐
노출 경로:	피부
시험:	LD50
결과:	>2000 mg/kg

제품/성분	2-phenoxyethanol
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	1840 mg/kg

제품/성분	2-phenoxyethanol
생물종:	토끼
노출 경로:	피부
결과:	>5000 mg/kg

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

자극성/부식성

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
실험 방법:	OECD 404
생물종:	기니 피그
결과:	관찰된 부작용 (자극적)

제품/성분	2-phenoxyethanol

결과: 관찰된 부작용 (부식성)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

심한 눈 손상/자극

제품/성분: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
결과: 관찰된 부작용 (눈에 심한 손상을 일으킴)

제품/성분: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법: OECD 404
생물종: 토끼
결과: 관찰된 부작용 (경미하게 자극적)

제품/성분: 2-phenoxyethanol
결과: 관찰된 부작용 (눈에 심한 손상을 일으킴)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

호흡기 과민성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

피부 과민성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

생식 세포 변이원성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

발암성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

생식 독성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (1회 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (반복 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

흡인 유해성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

만성 징후와 증상

알려진 바 없습니다.

12: 환경에 미치는 영향

12.1. 독성

제품/성분: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법: OECD 203
생물종: 물고기, Pimephales promelas
시험: LC50
결과: >1-10 mg/L

제품/성분: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법: OECD 202
생물종: 갑각류, Daphnia magna
시험: EC50
결과: >1-10 mg/L

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 201
생물종:	Andere waterorganismen, Desmodesmus subspicatus
시험:	EC50
결과:	>1-10 mg/L

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 209
생물종:	Pseudomonas putida
환경:	활성 슬러지 플랜트
시험:	EC0
결과:	>100 mg/L

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 210
생물종:	물고기
시험:	NOEC
결과:	>0,1-1 mg/L

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
실험 방법:	OECD 211
생물종:	갑각류, Daphnia magna
시험:	NOEC
결과:	>0,1-1 mg/L

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
실험 방법:	OECD 201
생물종:	조류(藻類)
환경:	신선한 물
기간:	72 시간
시험:	EC50
결과:	410 mg/L

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
실험 방법:	OECD 203
생물종:	물고기
환경:	신선한 물
기간:	96 시간
시험:	LC50
결과:	2,9 mg/L

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
실험 방법:	OECD 201
생물종:	조류(藻類)
환경:	신선한 물
기간:	72 시간
시험:	NOEC
결과:	4,9 mg/L

제품/성분	2-phenoxyethanol
생물종:	물고기
기간:	96 시간
시험:	LC50
결과:	>100 mg/L

제품/성분	2-phenoxyethanol
생물종:	조류(藻類)
기간:	72 시간
시험:	ErC50
결과:	>100 mg/L

제품/성분	2-phenoxyethanol
생물종:	Daphnia magna
기간:	48 시간
시험:	EC50
결과:	>100 mg/L

제품/성분	2-phenoxyethanol
생물종:	물고기
시험:	NOEC
결과:	23 mg/L

제품/성분	2-phenoxyethanol
생물종:	Andere waterorganismen
기간:	30 minutes
시험:	EC50
결과:	>1000 mg/L

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

12.2. 잔류성 및 분해성

제품/성분	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
결론:	쉽게 생분해 가능

제품/성분	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
결론:	쉽게 생분해 가능

제품/성분	2-phenoxyethanol
결과:	>70
결론:	쉽게 생분해 가능
시험:	OECD 301 A

12.3. 생물 농축성

제품/성분	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
결론:	-

12.4. 토양 이동성

자료 없음.

12.5. PBT(잔류성, 생물농축성, 독성) 및 **vPvB(**고잔류성, 고생물농축성) 평가 결과

이 혼합물/제품에는 PBT 및/또는 vPvB로 분류되는 기준을 충족하는 것으로 여겨지는 물질이 포함되어 있지 않습니다.

12.6. 기타 유해 영향

알려진 바 없습니다.

13: 폐기시 주의사항

폐기물 처리 방법

제품에는 위험 폐기물에 대한 규정이 적용되지 않습니다.

특정 라벨링

포장
제품의 잔류물이 포함된 포장은 제품과 유사하게 폐기해야 합니다.

14: 운송에 필요한 정보

	14.1 UN번호	14.2 적정 선적명	14.3 범주	14.4 PG*	14.5 Env**	그 밖의 참고 사항:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 포장 그룹

** 환경 유해성

추가 정보
ADR, IATA 및 IMDG에 따른 위험물이 아닙니다.

14.6. 사용자가 운송 또는 운송 수단에 관련해 알 필요가 있거나 필요한 특별한 안전 대책
해당사항 없음.

14.7. MARPOL 부록 **II** 및 **IBC** 코드에 따른 벌크 운송
자료 없음.

15: 법적 규제현황

15.1. 물질 또는 혼합물에 관련된 안전, 보건 및 환경 규정/법률

적용에 대한 제한*:*
전문 사용자 전용.

특정 교육에 대한 요구*:*
특정한 요구 사항 없음.

추가 정보*:*
해당사항 없음.

중점관리물질*:*
구성 성분이 나와있지 않습니다

KECI:
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts 가 나열되어 있습니다.
Amides, rape-oil, N-(hydroxyethyl), ethoxylated 가 나열되어 있습니다.
2-phenoxyethanol 가 나열되어 있습니다.

출처*:*
중점관리물질 : 환경부 고시 제2022-79호
화학물질의 분류·표시 및 물질안전보건자료에 관한 기준 (고용노동부고시 제2023-9호)

15.2. 화학 물질 안전성 평가
아니오

16: 그 밖의 참고사항

섹션 3에 언급된 **H-**문구 전문
H302, 삼키면 유해함.
H315, 피부에 자극을 일으킴.
H318, 눈에 심한 손상을 일으킴.

H319, 눈에 심한 자극을 일으킴.
H335, 호흡기계 자극을 일으킬 수 있음.
H412, 장기적인 영향에 의해 수생생물에게 유해함.

섹션 1에 언급된 식별된 사용의 전문
알려진 바 없습니다.

약어 및 두문자어
ADN = 내륙 수로에 의한 위험물 국제 운송에 관한 유럽 규정
ADR = 위험물 국제 도로 운송에 관한 유럽 협약
ATE = 급성 독성 추정
BCF = 생물농축 계수
CAS = 화학논문 초록 서비스
EINECS = 유럽 기존 상용 화학 물질 목록
GHS = 화학물질 분류 표시 국제조화시스템
IARC = 국제암연구기관
IATA = 국제항공운송 협회
IMDG = 국제해상위험물
KECI = 한국 기존 화학 물질 목록
LogPow = 옥탄올/물 분배 계수의 로그
MARPOL = 1978년 의정서에 의해 수정된 1973년 해양오염방지협약 ("Marpol"= 해양 오염)
MoE = 환경부공고
OECD = 경제협력개발기구
PBT = 잔류성, 생물농축성, 독성
RID = 위험물 국제 철도 운송에 관한 규정
RRN = REACH 등록 번호
SCL = 에는 특정 농도 한계(SCL)가 있습니다.
STEL = 단기 노출 한도
STOT-RE = 특정 대상 장기 독성-반복 노출
STOT-SE = 특정 대상 장기 독성-단일 노출
TWA = 시간 가중 평균
UN = 국제연합
VOC = 휘발성 유기 화합물
vPvB = 고잔류성, 고생물농축성

추가 정보
이 제품은 물질 안전 보건자료가 필요하지 않습니다. 관련 정보를 배포하기 위해 이 물질 안전 보건자료는 자발적으로 작성되었습니다.

물질 안전 보건자료가 다음에 의해 확인됨
Quality & Compliance

그 밖의 참고사항
변경(마지막 필수 변경에 비례(SDS 버전의 첫 번째 암호, 섹션 1 참조))은 파란색 삼각형으로 표시됩니다.
이 물질 안전 보건자료의 정보는 이 특정 제품(섹션 1 참조)에만 적용되며 다른 화학물질/제품과 함께 사용하면 정확하지 않을 수 있습니다.
이 물질 안전 보건자료는 실제 제품 사용자에게 전달하시길 권장합니다. 이 물질 안전 보건자료의 정보는 제품 사양으로 사용될 수 없습니다.
국가 언어 : KR-ko

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for KUWAIT according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: KW-en

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the REPUBLIC OF NORTH MACEDONIA according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: MK-en

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revision:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Emergency: 112 (24h service)
Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
See also section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

▼*Additional labelling:*
EUH210, Safety data sheet available on request.
Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

2.3. Other hazards

Additional warnings:
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 REACH: Index No.:	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.: REACH: 01-2119565130-50-0000 Index No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394.00	

	EC No.: 204-589-7 REACH: 01-2119488943-21 Index No.: 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. The doctor can contact Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼*Inhalation:*

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼*Eye contact:*

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

▼*Ingestion:*

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)
This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No substances are listed in the national list of substances with an occupational exposure limit.

DNEL
2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	10,42 mg/kg
Long term – Systemic effects - General population	Dermal	20,83 mg/kg
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects	Inhalation	2,41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m³
Long term	Oral	9,23 mg/kg

PNEC
2-phenoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg
Marine water		0.0943 mg/L
Marine water sediment		0,7237 mg/kg
Sewage treatment plant		24,8 mg/L
Sewage treatment plant	Single	36 mg/L
Soil		1,26 mg/kg

8.2. ▼Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼*Hygiene measures:*

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Colour:*
Colourless

Odour / Odour threshold:
Characteristic

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Lower and upper explosion limit (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50

Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50

Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

SEVESO - Categories / dangerous substances:
Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>15% - <30%
· Non-ionic surfactants
< 5%
· Amphoteric surfactants
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

Additional information:
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼Additional information

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required under Article 32 of REACH.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: MT-en

HELAIAN DATA KESELAMATAN

i.2 kitchen cleaner FlexDose Ultra

BAHAGIAN 1: PENGENALAN BAHAN KIMIA DAN PEMBEKAL

1.1. Pengecam produk

Nama dagang:
i.2 kitchen cleaner FlexDose Ultra

1.2. Kegunaan yang disarankan bagi bahan dan sekatan penggunaan

Penggunaan bahan atau campuran yang dikenal pasti:
Detergen dan agen pembersih (termasuk yang berasaskan pelarut)
Terhad kepada pengguna profesional.

Penggunaan yang tidak disarankan:
Tidak diketahui.

1.3. Butiran pembekal helaian data keselamatan

Butiran syarikat:
Hygeniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mel:
info@hygeniq.com

Tarikh SDS:
5/08/2025

Versi SDS:
2.0

Tarikh Keluaran Terdahulu:
16/07/2025 (2.0)

1.4. Nombor telefon kecemasan

Pusat Racun Kebangsaan (Pulau Pinang): Tel: 04 657 0099 (Isnin-Jumaat 08:10pg - 5:10pg), Tel: 012 430 9499 (Isnin-Jumaat 5:10ptg-10:00mlm ; Hujung minggu & cuti umum 8.10pg - 5.10ptg)
Lihat seksyen 4: Langkah pertolongan cemas

BAHAGIAN 2: PENGENALAN BAHAYA

2.1. Klasifikasi bahan atau campuran

Tidak dikelaskan mengikut Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP).

2.2. Unsur label

Piktogram bahaya:
Tidak berkenaan.

Kata isyarat:
Tidak berkenaan.

Pernyataan bahaya:

Tidak berkenaan.

Pernyataan berjaga-jaga:

Am:
-

Pencegahan:
-

Tindakbalas:
-

Penyimpanan:
-

Pelupusan:
-

Ramuan berbahaya:
Tidak mengandungi bahan yang diperlukan untuk dilaporkan

Pelabelan tambahan:
Tidak berkenaan.

BAHAGIAN 3: KOMPOSISI DAN MAKLUMAT MENGENAI RAMUAN BAHAN KIMIA BERBAHAYA

3.1. Bahan
Tidak berkenaan. Produk ini ialah sejenis campuran.

3.2. Campuran

Produk/bahan	Pengenal pasti	% w/w	Klasifikasi	Nota
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS: 147170-44-3 EC: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS: 85536-23-8 EC:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS: 122-99-6 EC: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Lihat teks penuh frasa H dalam seksyen 16. Had pendedahan pekerjaan disenaraikan dalam seksyen 8, jika ini tersedia.

Maklumat lain
UVCB = Produk atau bahan biologi dengan komposisi tidak diketahui atau berubah-ubah serta tindak balas kompleks

BAHAGIAN 4: LANGKAH-LANGKAH PERTOLONGAN CEMAS

4.1. Deskripsi langkah pertolongan cemas

Am:

Jika berlaku kemalangan: Hubungi doktor atau jabatan kecemasan - bawa label atau helaian data keselamatan ini. Hubungi doktor jika ragu-ragu mengenai keadaan orang yang cedera atau jika simptom tersebut berterusan. Jangan berikan air atau minuman lain kepada orang yang tidak sedarkan diri.

Penyedutan:
Sekiranya rasa tidak selesa: alihkan orang itu ke kawasan berudara segar.

Terkena kulit:
Apabila kerengsaan: bilas dengan air. Sekiranya kerengsaan berterusan, dapatkan bantuan perubatan.

Terkena mata:
Bilas perlahan-lahan dengan air suam. Tanggalkan sebarang kanta sentuh jika ini mudah dilakukan. Teruskan membilas. Sekiranya kerengsaan mata atau ketidakselesaan berterusan: Dapatkan bantuan perubatan.

Tertelan:
Bilas dan cuci mulut dengan teliti dan gunakan kuantiti air yang banyak. Sekiranya ketidakselesaan berterusan: dapatkan bantuan perubatan dan bawa data keselamatan ini.

Terbakar:
Tidak berkenaan.

4.2. Simptom dan kesan yang paling penting, kedua-dua akut dan tertunda
Tidak diketahui.

4.3. Indikasi bagi sebarang rawatan segera dan rawatan khas yang diperlukan
Rawat ia mengikut simptom.

Nota kepada doktor
Bawa helaian data keselamatan ini atau label

BAHAGIAN 5: LANGKAH-LANGKAH PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran
Tidak berkenaan.

5.2. Bahaya khusus yang timbul daripada bahan atau campuran
Kebakaran akan mengakibatkan asap tebal. Pendedahan kepada produk pembakaran boleh membahayakan kesihatan anda. Bekas tertutup, yang terdedah kepada kebakaran, hendaklah disejukkan dengan menggunakan air.
Jangan biarkan air pemadaman api masuk ke sistem kumbahan dan permukaan perairan berhampiran.
Jika produk terdedah kepada suhu tinggi, cth. jika berlaku kebakaran, sebatian penguraian berbahaya dihasilkan.
Iaitu:
Karbon oksida (CO / CO2)

5.3. Nasihat untuk ahli bomba
Tiada keperluan khusus.

BAHAGIAN 6: LANGKAH-LANGKAH PELEPASAN TIDAK SENGAJA

6.1. Langkah berjaga-jaga peribadi, peralatan pelindung dan prosedur kecemasan
Pastikan pengudaraan yang mencukupi, terutamanya di kawasan tertutup.
Kawasan tercemar mungkin licin.

6.2. Langkah berjaga-jaga alam sekitar
Elakkan pelepasan ke tasik, sungai, pembetung, dll.
Pastikan orang yang tidak dibenarkan berada jauh daripada tumpahan

6.3. Kaedah dan bahan bagi pembendungan dan pembersihan
Mengandungi dan mengumpul tumpahan dengan bahan penyerap yang tidak mudah terbakar cth. pasir, tanah, vermikulit atau tanah diatom dan diletakkan dalam bekas untuk dilupuskan mengikut peraturan tempatan.
Sekiranya boleh, pembersihan hendaklah dilakukan dengan agen pembersihan biasa. Elakkan penggunaan pelarut.

6.4. Rujukan kepada seksyen lain
Lihat seksyen 13 untuk maklumat tambahan pembuangan.
Lihat seksyen 8 untuk maklumat kawalan pendedahan dan perlindungan diri.

BAHAGIAN 7: PENGENDALIAN DAN PENYIMPANAN

7.1. Langkah berjaga-jaga bagi pengendalian selamat

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.
Lihat seksyen "Kawalan pendedahan dan perlindungan diri" untuk maklumat mengenai perlindungan peribadi.

7.2. Keadaan bagi penyimpanan yang selamat, termasuk apa-apa ketakserasian

Bahan penyimpanan yang disyorkan:
Pastikan bahan disimpan hanya di dalam bekas asal.

Keadaan penyimpanan:
Kering, sejuk dan pengudaraan yang baik

Bahan tidak serasi:
Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

7.3. Kegunaan akhir yang spesifik

Produk ini hanya boleh digunakan untuk aplikasi yang disebutkan dalam seksyen 1.2

BAHAGIAN 8: KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

8.1. Parameter kawalan

2,2',2''-nitrilotriethanol
Had pendedahan jangka panjang (8 jam) (mg/m³): 5

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN (PENGGUNAAN DAN STANDARD PENDEDAHAN BAHAN KIMIA BERBAHAYA KEPADA KESIHATAN) 2000

8.2. Kawalan-kawalan pendedahan

Pematuhan nilai had pendedahan pekerjaan yang diberikan harus dikawal secara teratur.

Cadangan am:
Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Senario pendedahan:
Tiada senario pendedahan yang dilaksanakan untuk produk ini.

Had pendedahan:
Pengguna profesional tertakluk kepada kepekatan maksimum yang sah untuk pendedahan pekerjaan. Lihat nilai had kebersihan pekerjaan di atas.

Kawalan kejuruteraan yang sesuai:
Pembentukan wap mesti dikekalkan pada paras minimum dan di bawah nilai had semasa (lihat di atas). Jika aliran udara biasa dalam bilik kerja tidak mencukupi, pemasangan suatu sistem ekzos setempat adalah disyorkan.
Pastikan bahawa pencuci mata dan pancuran kecemasan ditandakan dengan jelas.
Ambil langkah berjaga-jaga yang biasa semasa penggunaan produk. Elakkan penyedutan wap.

Langkah-langkah kebersihan:
Basuh tangan selepas digunakan.

Kawalan pendedahan alam sekitar:
Tiada keperluan khusus.

Langkah perlindungan individu, seperti PPE

Am:
Gunakan peralatan perlindungan bertanda CE.

Perlindungan pernafasan:

Jenis	Kelas	Warna	Standard	
Tidak khas apabila				

Jenis	Kelas	Warna	Standard	
digunakan seperti yang dimaksudkan				

Perlindungan kulit:

Disyorkan	Jenis / Kategori	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	

Perlindungan tangan:

Situasi kerja	Bahan	Ketebalan sarung tangan (mm)	Masa penembusan (min.)	Standard	
Jika pendedahan berpanjangan atau kepekatan tinggi	Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	-	
	Nitril	0.35			

Perlindungan mata/muka:

Situasi kerja	Jenis	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kaca mata keselamatan dengan pelindung sisi	EN166	

BAHAGIAN 9: SIFAT FIZIKAL DAN KIMIA

9.1. Maklumat tentang sifat fizikal dan kimia asas

Rupa:
Cecair

▼*Warna:*
Nir-warna

Bau:
Ciri

Ambang bau (ppm):
Tiada data yang tersedia.

pH:
ca. 9.0

Ketumpatan (g/cm³):
1.04 (20 °C)

Kelikatan:
Tiada data yang tersedia.

Ciri-ciri zarah:
Tidak digunakan pada cecair

Fasa perubahan

Takat lebur/takat beku (°C):
Tiada data yang tersedia.

Titik lembut/julat (°C):
Tidak digunakan pada cecair

Titik didih/julat didih (°C):
Tiada data yang tersedia.

Tekanan Wap:
Tiada data yang tersedia.

Ketumpatan Wap:
Tiada data yang tersedia.

Suhu pereputan (°C):
Tiada data yang tersedia.

Kadar Penyejatan:

Data mengenai bahaya kebakaran dan letupan

Takat kilat (°C):
Tiada data yang tersedia.

Titik pencucuhan (°C):
Tiada data yang tersedia.

Suhu penyalaan automatik (°C):
Tiada data yang tersedia.

Had mudah meletup (mudah menyala) bawah dan atas (% v/v):
Tiada data yang tersedia.

Keterlarutan

Kelarutan dalam air:
Larut sepenuhnya

Pekali Sekatan (LogKow):
Tiada data yang tersedia.

Kelarutan dalam lemak (g/L):
Tiada data yang tersedia.

9.2. Maklumat lain

Parameter fizikal dan kimia yang lain:
Tiada data yang tersedia.

Sifat pengoksidaan:
Tiada data yang tersedia.

BAHAGIAN 10: KESTABILAN DAN KEREAKTIFAN

10.1. Kereaktifan
Tiada data yang tersedia.

10.2. Kestabilan kimia
Produk ini stabil di bawah keadaan, yang disebut dalam seksyen 7 "Pengendalian dan penyimpanan".

10.3. Kemungkinan tindak balas berbahaya
Tidak diketahui.

10.4. Keadaan yang perlu dielak
Tidak diketahui.

10.5. Bahan yang tidak serasi
Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

10.6. Produk penguraian berbahaya
Dalam keadaan penyimpanan dan penggunaan yang biasa, produk penguraian berbahaya tidak boleh dihasilkan.

BAHAGIAN 11: MAKLUMAT TOKSIKOLOGI

11.1. Maklumat tentang kesan toksikologi

Ketoksikan akut

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 401
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	>5.000 mg/kg

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 402
Spesis:	Tikus
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2.000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesis:	Tikus
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	>2000 mg/kg

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Spesis:	Tikus
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2000 mg/kg

Produk/bahan	2-phenoxyethanol
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	1840 mg/kg

Produk/bahan	2-phenoxyethanol
Spesis:	Arnab
Laluan pendedahan:	Kulit
Keputusan:	>5000 mg/kg

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kakisan/kerengsaan Kulit

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kaedah ujian:	OECD 404
Spesis:	Argus
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Produk/bahan	2-phenoxyethanol
Keputusan:	Kesan buruk yang diperhatikan (Mengakis)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kerosakan/kerengsaan mata yang serius

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs.,

	inner salts
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 404
Spesis:	Arnab
Keputusan:	Kesan buruk yang diperhatikan (Agak merengsakan)

Produk/bahan	2-phenoxyethanol
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan pernafasan
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan kulit
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kemutagenan sel germa
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kekarsinogenan
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
2,2',2''-nitrilotriethanol: Bahan ini dikelaskan oleh IARC sebagai kumpulan 3.

Ketoksikan pembiakan
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan tunggal)
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan berulang)
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Bahaya aspirasi
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kesan Jangka Panjang
Tidak diketahui.

BAHAGIAN 12: MAKLUMAT EKOLOGI

12.1. Ketoksikan

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 203
Spesis:	Ikan, Pimephales promelas
Ujian:	LC50
Keputusan:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 202
Spesis:	Krustasia, Daphnia magna
Ujian:	EC50
Keputusan:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 201
Spesis:	Andere waterorganismen, Desmodesmus subspicatus
Ujian:	EC50

Keputusan:	>1-10 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 209
Spesis:	Pseudomonas putida
Persekitaran:	Loji Enapcemar Diaktifkan
Ujian:	EC0
Keputusan:	>100 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 210
Spesis:	Ikan
Ujian:	NOEC
Keputusan:	>0,1-1 mg/L

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kaedah ujian:	OECD 211
Spesis:	Krustasia, Daphnia magna
Ujian:	NOEC
Keputusan:	>0,1-1 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kaedah ujian:	OECD 201
Spesis:	Alga
Persekitaran:	Air tawar
Tempoh:	72 jam
Ujian:	EC50
Keputusan:	410 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kaedah ujian:	OECD 203
Spesis:	Ikan
Persekitaran:	Air tawar
Tempoh:	96 jam
Ujian:	LC50
Keputusan:	2,9 mg/L

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kaedah ujian:	OECD 201
Spesis:	Alga
Persekitaran:	Air tawar
Tempoh:	72 jam
Ujian:	NOEC
Keputusan:	4,9 mg/L

Produk/bahan	2-phenoxyethanol
Spesis:	Ikan
Tempoh:	96 jam
Ujian:	LC50
Keputusan:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesis:	Alga
Tempoh:	72 jam
Ujian:	ErC50
Keputusan:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesis:	Daphnia magna
Tempoh:	48 jam
Ujian:	EC50
Keputusan:	>100 mg/L

Produk/bahan	2-phenoxyethanol
Spesis:	Ikan
Ujian:	NOEC
Keputusan:	23 mg/L

Produk/bahan	2-phenoxyethanol
Spesis:	Andere waterorganismen
Tempoh:	30 minutes
Ujian:	EC50
Keputusan:	>1000 mg/L

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

12.2. Ketegaran dan keterdegradan

Produk/bahan	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Kesimpulan:	Mudah terbiodegradasi

Produk/bahan	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Kesimpulan:	Mudah terbiodegradasi

Produk/bahan	2-phenoxyethanol
Keputusan:	>70
Kesimpulan:	Mudah terbiodegradasi
Ujian:	OECD 301 A

12.3. Keupayaan biopengumpulan

Produk/bahan	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Kesimpulan:	-

12.4. Mobiliti dalam tanah

Tiada data yang tersedia.

12.5. Keputusan taksiran PBT dan vPvB

Campuran/produk ini tidak mengandungi sebarang bahan yang dianggap memenuhi kriteria yang mengklasifikasikannya sebagai PBT dan/atau vPvB.

12.6. Kesan memudaratkan yang lain

Tidak diketahui.

BAHAGIAN 13: MAKLUMAT PELUPUSAN

Kaedah rawatan bahan buangan

Produk tidak dilindungi oleh peraturan mengenai sisa berbahaya.

Pelabelan spesifik

Bahan Pembungkusan Tercemar

Pembungkusan yang mengandungi residu produk mesti dilupuskan sama dengan produk tersebut.

BAHAGIAN 14: MAKLUMAT PENGANGKUTAN

	14.1 No. U.N.	14.2 Nama penghantaran betul	14.3 Kelas	14.4 PG*	14.5 Env**	Maklumat lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kumpulan Pembungkusan

** Bahaya Alam Sekitar

Maklumat tambahan

Barangan tidak berbahaya menurut ADR, IATA dan IMDG.

14.6. Langkah berjaga-jaga khas untuk pengguna

Tidak berkenaan.

14.7. Pengangkutan secara pukal menurut Lampiran II MARPOL dan Kod IBC

Tiada data yang tersedia.

BAHAGIAN 15: MAKLUMAT PENGAWALSELIAAN

15.1. Peraturan/undang-undang keselamatan, kesihatan dan alam sekitar yang khusus bagi bahan atau campuran

Sekatan untuk penggunaan:

Terhad kepada pengguna profesional.

Keperluan untuk pendidikan khusus:

Tiada keperluan khusus.

Kawalan terhadap bahaya kemalangan besar dalam perindustrian:

Tidak berkenaan.

Maklumat tambahan:

Tidak berkenaan.

Sistem Pengurusan Maklumat Kimia (CIMS):

2-phenoxyethanol disenaraikan
2,2',2''-nitrilotriethanol disenaraikan

Sumber:

AKTA KESELAMATAN DAN KESIHATAN PEKERJAAN 1994
Peraturan-peraturan Keselamatan dan Kesihatan Pekerjaan (Pengelasan, Pelabelan dan Helaian Data Keselamatan Bahan Kimia Berbahaya) [2013 P.U. (A) 310.]
Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP)

15.2. Penilaian keselamatan kimia

Tidak

BAHAGIAN 16: MAKLUMAT LAIN

Teks penuh frasa H seperti yang dinyatakan dalam seksyen 3

H302, Memudaratkan jika tertelan.
H315, Menyebabkan kerengsaan kulit.
H318, Menyebabkan kerosakan mata yang serius.
H319, Menyebabkan kerengsaan mata yang serius.
H335, Boleh menyebabkan kerengsaan pernafasan.
H412, Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

Teks penuh penggunaan yang dikenalpasti seperti dinyatakan dalam seksyen 1

Tidak diketahui.

Singkatan dan akronim

ADN = Peruntukan Eropah mengenai Pengangkut Barang Antarabangsa Berbahaya melalui Jalan Air Pedalaman
ADR = Perjanjian Eropah mengenai Pengangkutan Antarabangsa Barangan Berbahaya melalui Jalan Raya
ATE = Anggaran Ketoksikan Akut
BCF = Faktor Biokonsentrasi
CAS = Perkhidmatan Abstrak Kimia
EINECS = - Inventori Eropah Bagi Bahan Kimia Komersial Sedia Ada
GHS = Sistem Terharmoni Global Bagi Pengelasan dan Pelabelan Bahan Kimia
IARC = Agensi Antarabangsa Penyelidikan Mengenai Kanser
IATA = Persatuan Pengangkutan Udara Antarabangsa
IMDG = Barangan Berbahaya Maritim Antarabangsa
LogPow = logaritma pekali partisi oktanol/air
MARPOL = Konvensyen Antarabangsa untuk Pencegahan Pencemaran dari Kapal, 1973 seperti yang diubahsuaikan oleh Protokol 1978. ("Marpol" = pencemaran marin)
OECD = Pertubuhan Kerjasama Ekonomi dan Pembangunan
RID = Peraturan-peraturan bagi Pengangkutan Antarabangsa Barangan Berbahaya oleh Kereta Api
SCL = Mempunyai had kepekatan tertentu.
STEL = Had pendedahan jangka pendek
STOT-RE = Ketoksikan Organ Sasaran Khusus - Pendedahan Berulang
STOT-SE = Ketoksikan Organ Sasaran Khusus - Pendedahan Tunggal
TWA = Purata wajaran masa
UN = Bangsa-Bangsa Bersatu
VOC = Kompaun Organik Meruap

Maklumat tambahan

Tidak berkenaan.

Lembaran data keselamatan disahkan oleh

Quality & Compliance

Maklumat lain

Perubahan (berkadaran dengan perubahan penting yang terakhir (sifer pertama dalam versi SDS, lihat seksyen 1)) ditandakan dengan segitiga.
Maklumat dalam helaian data keselamatan ini hanya terpakai kepada produk tertentu ini (disebutkan dalam seksyen 1) dan tidak semestinya betul jika digunakan dengan bahan kimia/produk lain.
Adalah disyorkan untuk menyerahkan helaian data keselamatan ini kepada pengguna produk yang sebenarnya.
Maklumat dalam helaian data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.
Negara-bahasa: MY-ms

VEILIGHEIDSINFORMATIEBLAD

i.2 kitchen cleaner FlexDose Ultra

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

Handelsnaam:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:
Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)
Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :
Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mailadres:
info@hygeniq.com

Herziening:
05-08-2025

SDS-versie:
2.0

Datum vorige uitgave:
16-07-2025 (2.0)

1.4. Telefoonnummer voor noodgevallen

Bij ongeval met dit product neemt contact op met uw arts of de spoeddiensten van het plaatselijke ziekenhuis. Artsen en medisch personeel kunnen met NVIC contact opnemen:Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):
Niet van toepassing.

Signaalwoord:
Niet van toepassing.

Gevarenaanduidingen:
Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:
-

Preventie:
-

Reactie:
-

Opslag:
-

Verwijdering:
-

Stoffen waarvoor meldingsplicht geldt:
Bevat geen informatieplichtige stoffen

▼*Andere opmerkingen:*
EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.
Niet van toepassing.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>15% - <30%
· Niet-ionogene oppervlakteactieve stoffen
< 5%
· Amfotere oppervlakteactieve stoffen
· Anionogene oppervlakteactieve stoffen
· Conserveermiddel (PHENOXYETHANOL)

2.3. Andere gevaren

Overig:
Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.
Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen
Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS Nr.: 147170-44-3 EG Nr: 604-575-4 REACH: Catalogusnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS Nr.: 85536-23-8 EG Nr: REACH: 01-2119565130-50-0000 Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-fenoxyethanol	CAS Nr.: 122-99-6 EG Nr: 204-589-7 REACH: 01-2119488943-21 Catalogusnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[19] UVCB = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het : Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Neem het etiket van het product of dit veiligheidsblad mee.
Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

▼*Bij inademen:*

Bij onwel voelen: Breng de persoon naar de frisse lucht.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

▼*Bij oogcontact:*

Spoel voorzichtig met lauwwarm water. Verwijder contactlenzen als dit gemakkelijk kan worden gedaan. Blijf spoelen. In geval van aanhoudende irritatie van de ogen of ongemak: roep medische hulp in.

▼*Bij inslikken:*

Spoel de mond en drink veel water. Bij aanhoudend onwel voelen: ga naar een arts en laat dit veiligheidsgegevensblad zien.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding weglopen.
Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:
Carbonoxiden (CO / CO2)

5.3. Advies voor brandweerlieden
Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures
Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvoorzorgsmaatregelen
Voorkom weglopen naar meren, rivieren, riolering, e.d.
Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal
Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.
Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken
Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.
Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel
Roken, eten en drinken is niet toegestaan in arbeidslokalen.
Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. ▼Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Compatibele verpakkingen:
Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:
Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:
Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik
Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters
Het product bevat geen stoffen die voorkomen op de Nederlandse lijst met stoffen met een blootstellingsgrens op de werkvloer.

DNEL
2-fenoxyethanol

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Lokale effecten - Arbeiders	Inademing	5,7 mg/m³
Lange termijn - Systemische effecten	Inademing	2,41 mg/m³
Lange termijn - Systemische effecten - Arbeiders	Inademing	5,7 mg/m³
Lange termijn - Systemische effecten - Arbeiders	Inademing	8.07 mg/m³

Lange termijn	Oraal	9,23 mg/kg
Lange termijn - Systemische effecten	Via de huid	10,42 mg/kg
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	20,83 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	34.72 mg/kg bw/dag

PNEC

2-fenoxyethanol

Blootstellingsroute:	**Blootstellingsduur:**	**PNEC:**
Aarde		1,26 mg/kg
Afvalwaterzuiveringsinstallatie		24,8 mg/L
Afvalwaterzuiveringsinstallatie	Enkelvoudig	36 mg/L
Zeewater		0.0943 mg/L
Zeewatersediment		0,7237 mg/kg
Zoet water		0,943 mg/L
Zoetwatersediment		7.2366 mg/kg

8.2. ▼Maatregelen ter beheersing van blootstelling

Pas algemene controle toe om onnodige blootstelling te voorkomen.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Er zijn exponeringsgrenzen voor de stoffen uit dit product gevonden.

Technische maatregelen:

Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

▼*Hygiënische maatregele:*

Was de handen na gebruik.

Beheersing van milieublootstelling:

Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:

Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwegen:

Type	**Klasse**	**Kleur**	**Standaard**	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	**Type/Categorie**	**Normen**	
Geen bijzondere bij normaal doelbewust gebruik	-	-	

Handen:

Werksituatie	**Materiaal**	**Minimale laagdikte (mm)**	**Doorbraaktijd (min.)**	**Normen**	
In het geval van een lange blootstelling of hoge concentraties	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
	Nitril	0.35			

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCHE EN CHEMISCHE EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:
Vloeibaar

▼*Kleur:*
Kleurloos

Geur / Geurdrempelwaarde (ppm):
Karakteristiek

pH:
ca. 9.0

Soortelijk gewicht (g/cm³):
1,04 (20 °C)

Kinematische viscositeit:
Geen gegevens beschikbaar.

Deeltjeskenmerken:
Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):
Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):
Niet van toepassing op vloeistoffen.

Kookpunt (°C):
Geen gegevens beschikbaar.

Dampdruk:
Geen gegevens beschikbaar.

Relatieve dampdichtheid:
Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):
Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):
Geen gegevens beschikbaar.

Ontvlambaarheid (°C):
Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):
Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):
Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:
Volledig oplosbaar

n-octanol/water coëfficient (LogKow):
Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):
Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:
Geen gegevens beschikbaar.

Oxiderende eigenschappen:
Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit
Geen gegevens beschikbaar.

10.2. Chemische stabiliteit
Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties
Niet bekend.

10.4. Te vermijden omstandigheden
Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen
Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten
Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 401
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	>5.000 mg/kg

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 402
Soorten:	Rat
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2.000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat

Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Soorten:	Rat
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2000 mg/kg

Product / ingrediënt	2-fenoxyethanol
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	1840 mg/kg

Product / ingrediënt	2-fenoxyethanol
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Resultaat:	>5000 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 404
Soorten:	Cavia
Resultaat:	Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt	2-fenoxyethanol
Resultaat:	Schadelijke effecten waargenomen (Corrosief)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 404
Soorten:	Konijn
Resultaat:	Schadelijke effecten waargenomen (Licht irriterend)

Product / ingrediënt	2-fenoxyethanol
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn
Niet bekend.

Hormoonontregelende eigenschappen
Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie
Niet bekend.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 203
Soorten:	Vis, Pimephales promelas
Test:	LC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 202
Soorten:	Schaaldier, Daphnia magna
Test:	EC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 201
Soorten:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Resultaat:	>1-10 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 209
Soorten:	Pseudomonas putida
Milieucompartiment:	Geactiveerde slibinstallatie
Test:	EC0
Resultaat:	>100 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 210
Soorten:	Vis
Test:	NOEC

Resultaat:	>0,1-1 mg/L

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmethode:	OESO 211
Soorten:	Schaaldier, Daphnia magna
Test:	NOEC
Resultaat:	>0,1-1 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 201
Soorten:	Algen
Milieucompartiment:	Zoet water
Duur:	72 uur
Test:	EC50
Resultaat:	410 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 203
Soorten:	Vis
Milieucompartiment:	Zoet water
Duur:	96 uur
Test:	LC50
Resultaat:	2,9 mg/L

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmethode:	OESO 201
Soorten:	Algen
Milieucompartiment:	Zoet water
Duur:	72 uur
Test:	NOEC
Resultaat:	4,9 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Vis
Duur:	96 uur
Test:	LC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Algen
Duur:	72 uur
Test:	ErC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Daphnia magna
Duur:	48 uur
Test:	EC50
Resultaat:	>100 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Vis
Test:	NOEC
Resultaat:	23 mg/L

Product / ingrediënt	2-fenoxyethanol
Soorten:	Andere waterorganismen
Duur:	30 minuten
Test:	EC50
Resultaat:	>1000 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	2-fenoxyethanol
Resultaat:	>70
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 A

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaar heid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	2-fenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusie:	-

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten

Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden

Het product valt niet onder de regels voor gevaarlijk afval.
Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euralcode:

20 01 30 Niet onder 20 01 29 vallende detergenten

Verontreinigde emballage

Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevarenklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig

Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker

Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten

Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:

Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:

Geen bijzondere eisen.

SEVESO - Gevarencategorieën / Gevaarlijke stoffen:

Niet van toepassing.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

>15% - <30%
· Niet-ionogene oppervlakteactieve stoffen
< 5%
· Amfotere oppervlakteactieve stoffen
· Anionogene oppervlakteactieve stoffen
· Conserveermiddel (PHENOXYETHANOL)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaar heid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.
Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.
Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).
Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H302, Schadelijk bij inslikken.
H315, Veroorzaakt huidirritatie.
H318, Veroorzaakt ernstig oogletsel.
H319, Veroorzaakt ernstige oogirritatie.
H335, Kan irritatie van de luchtwegen veroorzaken.
H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren
ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg

ATE = Acute toxiciteitsbeoordeling
BCF = Bioconcentratie Factor
CAS = Chemical Abstracts Service
CE = Conformité européenne
CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]
CSA = Chemische Veiligheidsbeoordeling
CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)
DNEL = De afgeleide dosis zonder effect
EAC = Europese Afval Cataloog
EINECS = European INventory of Existing Commercial Substances
ES = blootstellingsscenario
EUH zin = CLP-specifieke gevaarszin
EuPCS = Europees productindelingssysteem
GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels
GWP = Aardopwarmingsvermogen
IATA = Internationaal Lucht Transport Vereniging
IBC = Tussentijdse bulk container
IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen
LogPow = Logaritme van de octaan/water partitie coëfficiënt
MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protoclol van 1978. ("Marpol" = zee vervuilend)
OESO = Organisatie voor Economische Samenwerking en Ontwikkeling
PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling
STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccummulatief

▼Overig

In overeenstemming met artikel 31 van REACH is er geen veiligheidsinformatieblad vereist voor dit product. Dit veiligheidsinformatieblad is vrijwillig aangemaakt om relevante informatie te verstrekken zoals vereist door Artikel 32 van REACH.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.
De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.
Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.
Land-taal: NL-nl

SIKKERHETSDATABLAD

i.2 kitchen cleaner FlexDose Ultra

AVSNITT 1: IDENTIFIKASJON AV STOFFET/STOFFBLANDINGEN OG AV SELSKAPET/FORETAKET

1.1. Produktidentifikator

Handelsnavn:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevante identifiserte bruksområder for stoffet eller stoffblandingen og bruk som frarådes

Aktuelle identifiserte anvendelser for stoffet eller blandingen:
Vaske- og rengjøringsmidler (inkludert løsemiddelbasert)
Bare for yrkesbrukere.

Ikke tilrådde anvendelser:
Ingen kjente

1.3. Opplysninger om leverandøren av sikkerhetsdatabladet

Selskapsopplysninger:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:
info@hygeniq.com

Revidert:
05.08.2025

SDS Versjon:
2.0

Dato for forrige utgave:
16.07.2025 (2.0)

1.4. Nødtelefonnummer

Nødsituasjon: Ring 113, be om giftinformasjonen. Åpent 24 timer i døgnet.
Giftinformasjonen på tlf.nr.: +47 22 59 13 00
Se avsnitt 4 om 'Førstehjelpstiltak'

AVSNITT 2: FAREIDENTIFIKASJON

2.1. Klassifisering av stoffet eller stoffblandingen

Ikke klassifisert i henhold til CLP-forskriften.

2.2. Merkingselementer

Farepiktogram:
Ikke relevant.

Varselord:

Ikke relevant.

Faresetninger:
Ikke relevant.

Sikkerhetssetning(er):

Generelt:
-

Forebygging:
-

Tiltak:
-

Oppbevaring:
-

Disponering:
-

Inneholder:
Inneholder ingen opplysningspliktige stoffer

▼*Annen merkning:*
EUH210, Sikkerhetsdatablad er tilgjengelig på anmodning.
Ikke relevant.

Etikettering av innhold i overensstemmelse med produktforskriften (gjelder emballasje til vaskemidler som selges til allmennheten):

>15% - <30%
· Ikke-ioniske overflateaktive stoffer
< 5%
· Amfotere overflateaktive stoffer
· Anioniske overflateaktive stoffer
· Konserveringsmiddel (PHENOXYETHANOL)

2.3. Andre farer

Annet:
Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.
Produktet inneholder ingen stoffer som er vurdert til å være hormonforstyrrende i henhold til kriteriene i kommisjonens delegerte forordning (EU) 2017/2100 eller kommisjonsforordning (EU) 2023/707.

AVSNITT 3: SAMMENSETNING / OPPLYSNINGER OM BESTANDDELER

3.1. Stoffer
Ikke relevant. Dette produktet er en stoffblanding.

3.2. Stoffblandinger

Produkt/bestanddel	Identifikatorer	% w/w	Klassifisering	Anm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-nr.: 147170-44-3 EF-nr.: 604-575-4 REACH: Indeksnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-nr.: 85536-23-8 EF-nr.: REACH: 01-2119565130-50-0000 Indeksnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-phenoxyethanol	CAS-nr.: 122-99-6 EF-nr.: 204-589-7 REACH: 01-2119488943-21 Indeksnr.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Se avsnitt 16 for de fullstendige H-setningene det vises til ovenfor. Tiltaks- og grenseverdier, hvis tilgjengelig, er oppført i avsnitt 8.

Annen informasjon

(19) UVCB= Ukjent eller variabel sammensetning, komplekse reaksjonsprodukter eller biologiske materialer.

AVSNITT 4: FØRSTEHJELPSTILTAK

4.1. Beskrivelse av førstehjelpstiltak

Generelt:

Ved uhell: Kontakt lege eller legevakt - ta med etiketten eller dette sikkerhetsdatabladet.
Ved vedvarende symptomer eller ved tvil om den skaddes tilstand skal det søkes legehjelp. Gi aldri en bevisstløs person vann eller lignende.

▼*Innånding:*

Ved ubehag: Bring personen ut i frisk luft.

Hudkontakt:

Ved irritasjon: vask av produktet. Ved fortsatt irritasjon: Oppsøk lege.

▼*Øyekontakt:*

Skyll forsiktig med lunkent vann. Fjern eventuelle kontaktlinser dersom dette enkelt lar seg gjøre. Fortsett skyllingen. Ved vedvarende øyeirritasjon eller ubehag: Søk legehjelp)

▼*Svelging:*

Skyll munnen grundig og drikk rikelig med vann. Ved vedvarende ubehag: oppsøk lege og vis dette sikkerhetsdatabladet.

Forbrenning:

Ikke relevant.

4.2. De viktigste symptomene og virkningene, både akutte og forsinkede

Ingen kjente

4.3. Angivelse av om umiddelbar legehjelp og spesialbehandling er nødvendig

Behandles symptomatisk.

Merknader til lege

Ta med dette sikkerhetsdatabladet eller etiketten fra materialet.

AVSNITT 5: BRANNSLOKKINGSTILTAK

5.1. Slokkingsmidler

Ikke relevant.

5.2. Særlige farer knyttet til stoffet eller stoffblandingen

Brann vil utvikle tett røyk. Det kan utgjøre helsefare å bli utsatt for nedbrytningsprodukter. Lukkede beholdere som utsettes for ild, avkjøles med vann. La ikke vann fra brannslokking renne ut i kloakk og vannløp.
Hvis produktet utsettes for høye temperaturer, f.eks. i tilfelle brann, kan det dannes farlige nedbrytningsprodukter.
Disse er:
Karbonoksider (CO / CO2)

5.3. Råd til brannmannskaper

Ingen spesielle krav.

AVSNITT 6: TILTAK VED UTILSIKTEDE UTSLIPP

6.1. Personlige forsiktighetsregler, personlig verneutstyr og nødrutiner
Sørg for egnet ventilasjon, spesielt i lukkede områder.
Områder med spill kan være glatte.

6.2. Forsiktighetsregler med hensyn til miljø
Unngå utledning til sjøer, bekker, kloakker mm.
Hold uvedkommende borte fra fareområdet.

6.3. Metoder og materialer for oppsamling og rensing
Utslipp begrenses og samles opp med brannfast, absorberende materiale som f.eks. sand, jord, vermikulitt eller kiselgur og has i en beholder for forskriftsmessig avfallshåndtering.
Rengjøring foretas så langt som det er mulig med rengjøringsmidler. Løsemidler bør unngås.

6.4. Henvisning til andre avsnitt
Se avsnitt 13 "Sluttbehandling" om håndtering av avfall.
Se avsnitt 8 "Eksponeringskontroll/personlig verneutstyr" for beskyttelsesforanstaltninger.

AVSNITT 7: HÅNDTERING OG LAGRING

7.1. Forsiktighetsregler for sikker håndtering
Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.
Se avsnitt 8 'Eksponeringskontroll / personlig verneutstyr' for opplysning om personlig beskyttelse.

7.2. ▼Vilkår for sikker lagring, herunder eventuelle uforenligheter

Egnet emballasje:
Oppbevares bare i originalemballasjen.

Oppbevaringsbetingelser:
Tørt, kjølig og godt ventilert

Uforenlige materialer:
Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

7.3. Særlig(e) sluttanvendelse(r)
Dette produktet bør bare brukes til formål som beskrevet i avsnitt 1.2.

AVSNITT 8: EKSPONERINGSKONTROLL / PERSONLIG VERNEUTSTYR

8.1. Kontrollparametrer
Propane-1,2-diol
Grenseverdi (8 timer) (mg/m^3): 79
Grenseverdi (8 timer) (ppm): 25

2,2',2''-nitrilotriethanol
Grenseverdi (8 timer) (mg/m^3): 5

Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier). FOR-2011-12-06-1358. Sist endret: FOR-2024-04-05-581.

DNEL
2-phenoxyethanol

Varighet:	**Opptaksvei:**	**DNEL:**
Langsiktig – Systemiske effekter	Dermal	10,42 mg/kg
Langsiktig – Systemiske effekter - Arbeidere	Dermal	34.72 mg/kg bw/day

Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	20,83 mg/kg
Langsiktig – Lokaleffekter - Arbeidere	Innånding	5,7 mg/m³
Langsiktig – Systemiske effekter	Innånding	2,41 mg/m³
Langsiktig – Systemiske effekter - Arbeidere	Innånding	5,7 mg/m³
Langsiktig – Systemiske effekter - Arbeidere	Innånding	8.07 mg/m³
Langsiktig	Oral	9,23 mg/kg

2,2',2''-nitrilotriethanol

Varighet:	**Opptaksvei:**	**DNEL:**
Langsiktig – Systemiske effekter - Arbeidere	Dermal	6.3 mg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	3.1 mg/kg bw/day
Langsiktig – Lokaleffekter - Arbeidere	Innånding	1,25 mg/m³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	5 mg/m³
Langsiktig – Systemiske effekter - Arbeidere	Innånding	5 mg/m³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.25 mg/m³
Langsiktig – Systemiske effekter - Befolkningen generelt	Oral	3.1 mg/kg bw/day

Propane-1,2-diol

Varighet:	**Opptaksvei:**	**DNEL:**
Langsiktig – Lokaleffekter	Innånding	10 mg/m³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	10 mg/m³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	10 mg/m³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	10 mg/m³
Langsiktig – Systemiske effekter - Arbeidere	Innånding	168 mg/m³
Langsiktig – Systemiske effekter - Arbeidere	Innånding	168 mg/m³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	50 mg/m³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	50 mg/m³

PNEC

2-phenoxyethanol

Opptaksvei:	**Eksponeringens varighet:**	**PNEC:**
Ferskvann		0,943 mg/L
Ferskvannssediment		7.2366 mg/kg
Havvann		0.0943 mg/L
Havvannssediment		0,7237 mg/kg
Jord		1,26 mg/kg
Renseanlegg		24,8 mg/L
Renseanlegg	Singel	36 mg/L

2,2',2''-nitrilotriethanol

Opptaksvei:	**Eksponeringens varighet:**	**PNEC:**
Ferskvann		320 µg/L
Ferskvannssediment		1.7 mg/kg
Havvann		32 µg/L
Havvannssediment		170 µg/kg
Jord		151 µg/kg

Periodisk utslipp (ferskvann)		5.12 mg/L
Renseanlegg		10 mg/L

Propane-1,2-diol

Opptaksvei:	**Eksponeringens varighet:**	**PNEC:**
Ferskvannssediment		572 mg/kg TG
Havvannssediment		26 mg/L
Havvannssediment		57,2 mg/kg TG
Havvannssediment		26 mg/L
Jord		50 mg/kg TG
Renseanlegg		20000 mg/L
Vann		260 mg/L

8.2. ▼Eksponeringskontroll

Det bør kontrolleres regelmessig at de angitte grenseverdiene overholdes.

Generelt:

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.

Eksponeringsscenarioer:

Ingen eksponeringsscenarioer er implementert for dette produktet.

Eksponeringsgrenser:

Bedriftsrelaterte brukere er omfattet av arbeidsmiljølovgivningens regler om maksimumkonsentrasjoner for eksponering. Se arbeidshygieniske grenseverdier ovenfor.

Tekniske tiltak:

Dannelsen av damp må holdes på et minimum og under den gjeldende grenseverdien (se over). Det anbefales å installere et lokalt utluftingssystem dersom den vanlige luftstrømmen i arbeidsrommet ikke er tilstrekkelig. Sørg for at øyevask og dusj for nødsituasjoner er godt merket.
Følg standard forholdsregler ved bruk av produktet. Unngå inhalering av damp.

▼*Hygieniske tiltak:*

Vask hender etter bruk.

Begrensning av eksponering av mijøet:

Ingen spesielle krav.

Individuelle vernetiltak

Generelt:

Benytt utelukkende CE-merket verneutstyr.

Åndedrettsvern:

Type	**Klasse**	**Farge**	**Standarder**	
Ingen spesielle ved normal tilsiktet bruk.				

Kroppsvern:

Anbefalt	**Type/Kategori**	**Standarder**	
Ingen spesielle ved normal tilsiktet bruk.	-	-	

Håndvern:

Arbeidssituasjon	**Materiale**	**Hansketykkelse (mm)**	**Gjennomtrengningstid (min.)**	**Standarder**	
Ved langvarig eksponering eller høye konsentrasjoner	Ingen spesielle ved normal tilsiktet bruk	-	-	-	
	Nitril	0.35			

Øyevern:

Arbeidssituasjon	Type	Standarder	
	Ingen spesielle ved normal tilsiktet bruk.	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bruk beskyttelsesbriller med sideskjold.	EN166	

AVSNITT 9: FYSISKE OG KJEMISKE EGENSKAPER

9.1. Opplysninger om grunnleggende fysiske og kjemiske egenskaper

Tilstandsform:
Væske

▼*Farge:*
Fargeløs

Lukt / Luktterskel (ppm):
Karakteristisk

pH:
ca. 9.0

Tetthet (g/cm^3):
1,04 (20 °C)

Kinematisk viskositet:
Ingen data tilgjengelige.

Partikkelegenskaper:
Ikke relevant - produktet er en væske

Tilstandsendring og damptrykk

Smeltepunkt/Frysepunkt (°C):
Ingen data tilgjengelige.

Bløtgjøringspunkt / -område (°C):
Ikke relevant - produktet er en væske

Kokepunkt (°C):
Ingen data tilgjengelige.

Damptrykk:
Ingen data tilgjengelige.

Relativ damptetthet:
Ingen data tilgjengelige.

Spaltingstemperatur (°C):
Ingen data tilgjengelige.

Data for brann- og eksplosjonsfarer

Flammepunkt (°C):
Ingen data tilgjengelige.

Antennelighet (°C):
Ingen data tilgjengelige.

Selvantennelsestemperatur (°C):
Ingen data tilgjengelige.

Nedre og øvre eksplosjonsgrense (% v/v):
Ingen data tilgjengelige.

Løselighet

Løselighet i vann:
Fullt oppløselig

Fordelingskoeffisient (n-octanol/vann) (LogKow):
Ingen data tilgjengelige.

Løselighet i fett (g/L):
Ingen data tilgjengelige.

9.2. Andre opplysninger

Andre fysiske og kjemiske parametrer:
Ingen data tilgjengelige.

Oksiderende egenskaper:
Ingen data tilgjengelige.

AVSNITT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet
Ingen data tilgjengelige.

10.2. Kjemisk stabilitet
Produktet er stabilt under de betingelsene som er angitt i avsnitt 7 om "Håndtering og lagring".

10.3. Risiko for farlige reaksjoner
Ingen kjente

10.4. Forhold som skal unngås
Ingen kjente

10.5. Uforenlige materialer
Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

10.6. Farlige nedbrytningsprodukter
Under normale oppbevarings- og bruksforhold skal det ikke kunne dannes farlige nedbrytningsprodukter.

AVSNITT 11: TOKSIKOLOGISKE OPPLYSNINGER

11.1. Opplysninger om fareklasser som definert i forordning (EF) nr. 1272/2008

Akutt giftighet

Produkt/bestanddel	Propane-1,2-diol
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	>20000 mg/kg

Produkt/bestanddel	Propane-1,2-diol
Art:	Kanin
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/bestanddel	Propane-1,2-diol
Art:	Rotte
Opptaksvei:	Innånding
Test:	LC50
Resultat:	44.9 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 401
Art:	Rotte
Opptaksvei:	Oral

Test:	LD50
Resultat:	>5.000 mg/kg

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 402
Art:	Rotte
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2.000 mg/kg

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Rotte
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/bestanddel	2-phenoxyethanol
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	1840 mg/kg

Produkt/bestanddel	2-phenoxyethanol
Art:	Kanin
Opptaksvei:	Dermal
Resultat:	>5000 mg/kg

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Hudetsing/hudirritasjon

Produkt/bestanddel	Propane-1,2-diol
Resultat:	Ingen negative effekter observert (Ingen irritasjon)

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetode:	OECD 404
Art:	Marsvin
Resultat:	Negative effekter observert (Irritasjon)

Produkt/bestanddel	2-phenoxyethanol
Resultat:	Negative effekter observert (Etsende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Alvorlig øyeskade/øyeirritasjon

Produkt/bestanddel	Propane-1,2-diol
Resultat:	Negative effekter observert (Noe irritasjon)

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 404
Art:	Kanin
Resultat:	Negative effekter observert (Noe irritasjon)

Produkt/bestanddel	2-phenoxyethanol
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved innånding
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved hudkontakt
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Arvestoffskadelig virkning på kjønnsceller
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Kreftframkallende egenskaper
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Reproduksjonstoksisitet
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, enkelteksponering
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, gjentatt eksponering
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Aspirasjonsfare
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

11.2. Opplysninger om andre farer

Langsiktige virkninger
Ingen kjente

Hormonforstyrrende egenskaper
Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke helsen.

Andre opplysninger
2,2',2''-nitrilotriethanol: Dette stoffet har blitt klassifisert som kreftfremkallende i gruppe 3 av IARC.

AVSNITT 12: ØKOLOGISKE OPPLYSNINGER

12.1. Giftighet

Produkt/bestanddel	Propane-1,2-diol
Art:	Fisk, Oncorhynchus mykiss
Varighet:	96 timer
Test:	LC50
Resultat:	40613 mg/L

Produkt/bestanddel	Propane-1,2-diol
Art:	Krepsdyr, Ceriodaphnia Dubia
Varighet:	48 timer
Test:	LC50
Resultat:	18340 mg/L

Produkt/bestanddel	Propane-1,2-diol
Art:	Krepsdyr, Ceriodaphnia Dubia
Varighet:	7 dager

Test:	NOEC
Resultat:	13020 mg/L

Produkt/bestanddel	Propane-1,2-diol
Art:	Alge, Pseudokirchneriella subcapitata
Varighet:	96 timer
Test:	ErC50
Resultat:	19000 mg/L

Produkt/bestanddel	Propane-1,2-diol
Art:	Bakterie, Pseudomonas putida
Varighet:	18 hours
Test:	NOEC
Resultat:	>20000 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 203
Art:	Fisk, Pimephales promelas
Test:	LC50
Resultat:	>1-10 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 202
Art:	Krepsdyr, Daphnia magna
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 201
Art:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 209
Art:	Pseudomonas putida
Miljø:	Aktivert slamanlegg
Test:	EC0
Resultat:	>100 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 210
Art:	Fisk
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetode:	OECD 211
Art:	Krepsdyr, Daphnia magna
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetode:	OECD 201
Art:	Alge

Miljø:	Ferskvann
Varighet:	72 timer
Test:	EC50
Resultat:	410 mg/L

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetode:	OECD 203
Art:	Fisk
Miljø:	Ferskvann
Varighet:	96 timer
Test:	LC50
Resultat:	2,9 mg/L

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetode:	OECD 201
Art:	Alge
Miljø:	Ferskvann
Varighet:	72 timer
Test:	NOEC
Resultat:	4,9 mg/L

Produkt/bestanddel	2-phenoxyethanol
Art:	Fisk
Varighet:	96 timer
Test:	LC50
Resultat:	>100 mg/L

Produkt/bestanddel	2-phenoxyethanol
Art:	Alge
Varighet:	72 timer
Test:	ErC50
Resultat:	>100 mg/L

Produkt/bestanddel	2-phenoxyethanol
Art:	Daphnia magna
Varighet:	48 timer
Test:	EC50
Resultat:	>100 mg/L

Produkt/bestanddel	2-phenoxyethanol
Art:	Fisk
Test:	NOEC
Resultat:	23 mg/L

Produkt/bestanddel	2-phenoxyethanol
Art:	Andere waterorganismen
Varighet:	30 minutes
Test:	EC50
Resultat:	>1000 mg/L

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

12.2. Persistens og nedbrytbarhet

Produkt/bestanddel	Propane-1,2-diol
Resultat:	96%
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	Propane-1,2-diol
Varighet:	28 dager
Resultat:	81 %
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	2-phenoxyethanol
Resultat:	>70
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 301 A

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

12.3. Bioakkumuleringsevne

Produkt/bestanddel	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Konklusjon:	Intet potensial for bioakkumulering

Produkt/bestanddel	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Konklusjon:	-

12.4. Mobilitet i jord

Ingen data tilgjengelige.

12.5. Resultater av PBT- og vPvB-vurdering

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

12.6. Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke miljøet.

12.7. Andre skadevirkninger

Ingen kjente

AVSNITT 13: SLUTTBEHANDLING

13.1. Avfallsbehandlingsmetoder

Produktet er ikke omfattet av reglene om farlig avfall.
Fraråde tømming i avløp.
Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).

Avfallskode EAL:

20 01 30 Andre rengjøringsmidler enn dem nevnt i 20 01 29

Nasjonalt avfallsstoffnummer og betegnelse:

20 01 30 Andre rengjøringsmidler enn dem nevnt i 20 01 29

Forurenset emballasje

Emballasje med restinnhold av produktet skal avhendes etter samme bestemmelser som produktet.

AVSNITT 14: TRANSPORTOPPLYSNINGER

	14.1 FN- eller ID-nummer	14.2 FN-forsendelsesnavn	14.3 Transportfareklasse(r)	14.4 Emballasje-gruppe	14.5 Miljøfarer	Annen informasjon:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

Annen informasjon
Ikke farlig gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsiktighetsregler ved bruk
Ikke relevant.

14.7. Sjøtransport i bulk i henhold til IMO-instrumenter
Ingen data tilgjengelige.

AVSNITT 15: OPPLYSNINGER OM REGELVERK

15.1. Særlige bestemmelser / særskilt lovgivning om sikkerhet, helse og miljø for stoffet eller stoffblandingen

Anvendelsesbegrensninger:
Bare for yrkesbrukere.

Krav om særlig utdannelse:
Ingen spesielle krav.

SEVESO - Farekategorier / spesifiserte farlige kjemikalier:
Ikke relevant.

Etikettering av innhold i overensstemmelse med produktforskriften:

>15% - <30%
· Ikke-ioniske overflateaktive stoffer
< 5%
· Amfotere overflateaktive stoffer
· Anioniske overflateaktive stoffer
· Konserveringsmiddel (PHENOXYETHANOL)

Annen informasjon:
Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

Kilder:
EUROPAPARLAMENTS- OG RÅDSFORORDNING (EF) nr. 648/2004 av 31. mars 2004 om vaske- og rengjøringsmidler
Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).
Forskrift 16. juni 2012 nr. 622 om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP-forskriften).
Forskrift 30. mai 2008 nr. 516 om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH-forskriften).

15.2. Vurdering av kjemikaliesikkerhet
Nei

AVSNITT 16: ANDRE OPPLYSNINGER

Fullstendig tekst for H-setninger som det refereres til i avsnitt 3

H302, Farlig ved svelging.
H315, Irriterer huden.
H318, Gir alvorlig øyeskade.
H319, Gir alvorlig øyeirritasjon.
H335, Kan forårsake irritasjon av luftveiene.
H412, Skadelig, med langtidsvirkning, for liv i vann.

Forkortelser og akronymer

ADN/ADNR = Europeisk avtale om internasjonal transport av farlig gods på innenlands vannveier
ADR = Forskrift 1. april 2009 om landtransport av farlig gods
ATE = Akutt toksisitets estimat
BCF = Biokonsentrasjons faktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Klassifisering, merking og innpakning
CSA = Kjemisk sikkerhetsvurdering
CSR = Kjemisk sikkerhetsrapport
DMEL = Oppnådd minimalt effekt nivå
DNEL = Oppnådd ingen effekt nivå
EINECS = Fortegnelse over eksisterende komersielle kjemiske substanser
ES = Eksponeringsscenario
EUH statement = CLP-spesifikk fareerklæring
EuPCS = Europeisk produktkategoriseringssystem
EWC = Europeisk Avfallskatalog
GHS = Globalt Harmonisert System for Klassifisering og Merking av Kjemikalier
GWP = Potensial for global oppvarming
IATA/ICAO = Internasjonal lufttransport Forening
IBC = Middels Bulk Kontainer
IMDG = Internasjonal Maritim Farlig Gods
LogPow = Logaritmen til fordelingskoeffisienten for oktanol / vann
MARPOL 73/78 = Den Internasjonale Konvensjonen til Forhindring av Marin Forurensning fra Skip, 1973, modifisert i 1978
OECD = Organisasjonen for økonomisk samarbeid og utvikling
PBT = Persistent, Bioakkumulerbar og Giftig
PNEC = Forutsatt ingen effekt konsentrasjon
RID = Forskrift 1. april 2009 om landtransport av farlig gods
RRN = REACH registrerings nummer
SCL = Spesifikk konsentrasjonsgrense.
SVHC = Stoffer med meget høy viktighet
STOT-RE = Giftig mot spesifikt målorgan - Gjentatt eksponering
STOT-SE = Giftig mot spesifikt målorgan - Enkel eksponering
TWA = Tidsvektet gjennomsnittlig
UN = Forenede Nasjoner
UVBC = Ukjent eller variabel sammensetning, komplekse reaksjonsprodukter eller biologiske materialer.
VOC = Flyktig organisk forbindelse
vPvB = Meget persistente og meget bioakkumulerende

Annen informasjon

Ikke relevant.

Sikkerhetsdatablad er validert av

Quality & Compliance

Annet

Endringer i forhold til siste vesentlige revisjon (første siffer i SDS-versjon, se avsnitt 1) av dette sikkerhetsdatablad er markert med en trekant.
Opplysningene i dette sikkerhetsdatabladet gjelder kun produktet nevnt i avsnitt 1 og er ikke nødvendigvis gjeldende ved bruk sammen med andre produkter.
Det anbefales å utlevere dette sikkerhetsdatabladet til den faktiske bruker av produktet. Den nevnte informasjonen kan ikke brukes som produktspesifikasjon.
Land-språk: NO-nb

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
5/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

Emergency telephone number
National Poisons Centre: 0800 764 766 (24 hour service)
See also section 4 “First aid measures”

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to the Hazardous Substances (Hazard Classification) Notice.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:
In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an

unconscious person water or other drink.

Inhalation:
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

Most important symptoms and effects, both acute and delayed
None known.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media
Not applicable.

Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Propane-1,2-diol
Long term exposure limit (8 hours) (mg/m^3): 10

Workplace exposure standards and biological exposure indices. Edition 14, November 2023.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:
The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only protective equipment that have been approved by IANZ or NATA, or a laboratory accredited under a recognised Mutual Recognition Arrangement.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

Possibility of hazardous reactions
None known.

Conditions to avoid
None known.

Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal

Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404

Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance	Propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours

Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC
Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna

Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user
Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Control of major hazard facilities:
Not applicable.

Additional information:
Not applicable.

New Zealand Inventory of Chemicals (NZIoC):
Propane-1,2-diol is listed
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts is listed
2-phenoxyethanol is listed

Sources:
Hazardous Substances (Hazard Classification) Notice 2020
Hazardous Substances and New Organisms Act 1996

Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
HSNO = Hazardous Substances and New Organisms Act
IANZ = International Accreditation New Zealand
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
NATA = National Association of Testing Authorities
NZIoC = New Zealand Inventory of Chemicals
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: NZ-en

KARTA CHARAKTERYSTYKI

i.2 kitchen cleaner FlexDose Ultra

SEKCJA 1: IDENTYFIKACJA SUBSTANCJI/MIESZANINY I IDENTYFIKACJA PRZEDSIĘBIORSTWA

1.1. Identyfikator produktu

Nazwa handlowa:
i.2 kitchen cleaner FlexDose Ultra

1.2. Istotne zidentyfikowane zastosowania substancji lub mieszaniny oraz zastosowania odradzane

Istotne zidentyfikowane zastosowania substancji lub mieszaniny:
Detergenty i środki czyszczące (w tym na bazie rozpuszczalników)
Produkt przeznaczony wyłącznie do użytku zawodowego.

Zastosowania odradzane :
Nie są znane.

1.3. Dane dotyczące dostawcy karty charakterystyki

Dostawca:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Adres email:
info@hygeniq.com

Aktualizacja:
5.08.2025

Wersja karty charakterystyki:
2.0

Data poprzedniego wydania:
16.07.2025 (2.0)

1.4. Numer telefonu alarmowego

Ośrodki zatruć.
Gdańsk: Pomorskie Centrum Toksykologii. Tel: (48) 58 682 04 04
Kraków: Centrum Informacji Toksykologicznej. Tel: (48) 12 411 99 99
Łódź: Krajowe Centrum Informacji o Truciznach. Tel: (48) 42 63 14 724
Warszawa: Warszawskie Centrum Informacji i Kontroli Zatruć. Tel: (48) 22 619 66 54
Wrocław: Dolnośląskie Centrum Informacji Toksykologicznej i Toksykologicznej. Tel: (48) 71 306 44 19

*Europejski numer alarmowy : 112

Patrz sekcja 4 o środkach pierwszej pomocy.

SEKCJA 2: IDENTYFIKACJA ZAGROŻEŃ

2.1. Klasyfikacja substancji lub mieszaniny

Nie sklasyfikowany według rozporządzenia (EC) Nr 1272/2008 (CLP).

2.2. Elementy oznakowania

Piktogram(y) zagrożeń:
Nie dotyczy.

Hasło ostrzegawcze:
Nie dotyczy.

Zwrot wskazujący rodzaj zagrożenia:
Nie dotyczy.

Zwroty wskazujące środki ostrożności:

Ogólne:
-

Zapobieganie:
-

Reagowanie:
-

Przechowywanie:
-

Usuwanie:
-

Zawiera następujące substancje odpowiedzialne za ryzyko zagrożenia zdrowia:
Nie zawiera żadnych substancji objętych nakazem zgłaszania

▼*Informacje uzupełniające na etykiecie:*
EUH210, Karta charakterystyki dostępna na żądanie.
Nie dotyczy.

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów (dotyczy opakowań detergentów przeznaczonych do powszechnego użytku):

>15% - <30%
· Niejonowe środki powierzchniowo czynne
< 5%
· Amfoteryczne środki powierzchniowo czynne
· Anionowe środki powierzchniowo czynne
· Środek konserwujący (PHENOXYETHANOL)

2.3. Inne zagrożenia

Inne ostrzeżenia:
Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.
Ten produkt nie zawiera żadnych substancji uważanych za substancje zaburzające gospodarkę hormonalną zgodnie z kryteriami określonymi w Rozporządzeniu Delegowanym Komisji (UE) 2017/2100 lub Rozporządzeniu Komisji (UE) 2023/707.

SEKCJA 3: SKŁAD/INFORMACJA O SKŁADNIKACH

3.1. Substancje

Nie dotyczy. Produkt jest mieszaniną.

3.2. Mieszaniny

Produktu/składnik	Identyfikatory	% w/w	Klasyfikacja	Uwagi
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-	Nr. CAS: 147170-44-3 Nr. WE: 604-575-4 REACH:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]

unsatd. acyl) derivs., inner salts	Nr. indeksowy:			
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Nr. CAS: 85536-23-8 Nr. WE: REACH: 01-2119565130-50-0000 Nr. indeksowy:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoksyetanol;eter monofenylowy glikolu etylenowego	Nr. CAS: 122-99-6 Nr. WE: 204-589-7 REACH: 01-2119488943-21 Nr. indeksowy: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Pełne sformułowanie zwrotów określających zagrożenia znajduje się w sekcji 16. Limity dopuszczalnych wartości zarażenia zawodowego, jeśli są dostępne, wymienione są w sekcji 8.

Inne informacje

[19] UVCB = Oznacza substancje o nieznanym lub zmiennym składzie, złożone produkty reakcji lub materiały biologiczne.

SEKCJA 4: ŚRODKI PIERWSZEJ POMOCY

4.1. Opis środków pierwszej pomocy

Informacje ogólne:

W razie wypadku lub złego samopoczucia skontaktować się z lekarzem lub pogotowiem – zabrać ze sobą etykietę lub niniejszą kartę charakterystyki. Lekarz może się zwrócić do Instytutu Toksykologii w szpitalu.
Jeśli objawy nie ustają, lub jeśli są wątpliwości co do stanu osoby poszkodowanej, trzeba się zwrócić po pomoc lekarską. Nigdy nie podawaj wody ani podobnych płynów osobie nieprzytomnej.

▼*Wdychanie:*

W przypadku dyskomfortu: wyprowadzić osobę na świeże powietrze.

Kontakt ze skórą:

W przypadku podrażnienia: zmyć produkt. Przy przedłużającym się podrażnieniu skontaktować się z lekarzem.

▼*Kontakt z oczami:*

Delikatnie przemyć letnią wodą. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Kontynuować płukanie. W przypadku trwałego podrażnienia oczu lub dyskomfortu: niezwłocznie zasięgnąć porady lekarza.

▼*Połknięcia:*

Dokładnie opłukać jamę ustną i popić dużą ilością wody. Przy przedłużającym się dyskomforcie skontaktować się z lekarzem i przedstawić niniejszą kartę charakterystyki substancji.

Oparzenie:

Nie dotyczy.

4.2. Najważniejsze ostre i opóźnione objawy oraz skutki narażenia

Nie są znane.

4.3. Wskazania dotyczące wszelkiej natychmiastowej pomocy lekarskiej i szczególnego postępowania z poszkodowanym

Leczyć objawowo.

Informacja dla lekarza

Przekazać kartę charakterystyki lub etykietę produktu.

SEKCJA 5: POSTĘPOWANIE W PRZYPADKU POŻARU

5.1. Środki gaśnicze

Nie dotyczy.

5.2. Szczególne zagrożenia związane z substancją lub mieszaniną

W przypadku pożaru powstanie gęsty dym. Wystawienie na działanie produktów rozkładu może być szkodliwe dla zdrowia. Zamknięte pojemniki, które były wystawione na działanie ognia, należy ochłodzić wodą. Nie należy dopuścić, aby woda użyta do gaszenia dostała się do ścieków ani cieków wodnych.
Wystawienie mieszaniny na działanie wysokich temperatur, np. w przypadku pożaru, może spowodować powstawanie niebezpiecznych produktów rozkładu. Są to:
Tlenki węgla (CO / CO2)

5.3. Informacje dla straży pożarnej

Nie ma specjalnych wymagań.

SEKCJA 6: POSTĘPOWANIE W PRZYPADKU NIEZAMIERZONEGO UWOLNIENIA DO ŚRODOWISKA

6.1. Indywidualne środki ostrożności, wyposażenie ochronne i procedury w sytuacjach awaryjnych

Zapewnić odpowiednią wentylację, szczególnie w przestrzeniach zamkniętych.
Zanieczyszczone powierzchnie mogą być śliskie.

6.2. Środki ostrożności w zakresie ochrony środowiska

Zapobiegać uwalnianiu większych ilości do kanalizacji, wód gruntowych i powierzchniowych.
Nie dopuszczać osób postronnych do miejsca wycieku.

6.3. Metody i materiały zapobiegające rozprzestrzenianiu się skażenia i służące do usuwania skażenia

Ograniczyć i zebrać wyciek za pomocą niepalnego, absorbującego materiału, np. piasku, ziemi, wermikulitu lub ziemi okrzemkowej i umieścić w pojemniku do utylizacji zgodnie z lokalnymi przepisami.
Jeśli to tylko możliwe, czyszczenie należy przeprowadzać za pomocą środków czyszczących. Należy unikać rozpuszczalników.

6.4. Odniesienia do innych sekcji

Postępowanie z odpadami opisane jest w sekcji 13.
Środki ostrożności omówione są w sekcji 8.

SEKCJA 7: POSTĘPOWANIE Z SUBSTANCJAMI I MIESZANINAMI ORAZ ICH MAGAZYNOWANIE

7.1. Środki ostrożności dotyczące bezpiecznego postępowania

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.
Osobiste środki bezpieczeństwa omawiane są w sekcji „Kontrola narażenia/środki ochrony indywidualnej”.

7.2. ▼Warunki bezpiecznego magazynowania, w tym informacje dotyczące wszelkich wzajemnych niezgodności

Zgodności z opakowaniem:
Przechowywać wyłącznie w oryginalnym opakowaniu.

Warunki przechowywania:
W miejscu suchym, chłodnym i z dobrą cyrkulacją powietrza

Materiały niezgodne:
Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

7.3. Szczególne zastosowanie(-a) końcowe

Ten produkt powinien być używany zawsze zgodnie z opisem w sekcji 1.2.

SEKCJA 8: KONTROLA NARAŻENIA/ŚRODKI OCHRONY INDYWIDUALNEJ

8.1. Parametry dotyczące kontroli

Propane-1,2-diol
Najwyższe dopuszczalne stężenie (8-godzinnego) (NDS) (mg/m^3): 100

2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Najwyższe dopuszczalne stężenie (8-godzinnego) (NDS) (mg/m³): 230

Rozporządzenia Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U. 2018 poz. 1286)

DNEL

2-fenoksyetanol;eter monofenylowy glikolu etylenowego

Czas:	**Droga narażenia:**	**DNEL:**
Długoterminowo	Doustnie	9,23 mg/kg
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnie	20,83 mg/kg
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnie	34.72 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe)	Naskórnie	10,42 mg/kg
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	5,7 mg/m³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	5,7 mg/m³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	8.07 mg/m³
Długoterminowo (działanie ogólnoustrojowe)	Wziewnie	2,41 mg/m³

Propane-1,2-diol

Czas:	**Droga narażenia:**	**DNEL:**
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	10 mg/m³
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	10 mg/m³
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	10 mg/m³
Długoterminowo (działanie miejscowe)	Wziewnie	10 mg/m³
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	50 mg/m³
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	50 mg/m³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	168 mg/m³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	168 mg/m³

PNEC

2-fenoksyetanol;eter monofenylowy glikolu etylenowego

Droga narażenia:	**Czas ekspozycj:**	**PNEC:**
Oczyszczalnia ścieków		24,8 mg/L
Oczyszczalnia ścieków	Pojedynczy	36 mg/L
Osad w wodzie morskiej		0,7237 mg/kg
Osad w wodzie słodkiej		7.2366 mg/kg
Woda morska		0.0943 mg/L
Woda słodka		0,943 mg/L
Ziemia		1,26 mg/kg

Propane-1,2-diol

Droga narażenia:	**Czas ekspozycj:**	**PNEC:**
Oczyszczalnia ścieków		20000 mg/L
Osad w wodzie morskiej		26 mg/L
Osad w wodzie morskiej		57,2 mg/kg TG
Osad w wodzie morskiej		26 mg/L
Osad w wodzie słodkiej		572 mg/kg TG

Woda		260 mg/L
Ziemia		50 mg/kg TG

8.2. ▼Kontrola narażenia

Należy regularnie kontrolować przestrzeganie podanych wartości granicznych.

Ogólne zasady postępowania:

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Scenariusze narażenia:

Dla tego produktu nie ma wdrożonych scenariuszy narażenia.

Limity ekspozycji:

Zawodowi użytkownicy objęci są regułami ustawodawstwa o bezpieczeństwie i higienie pracy, dotyczącego maksymalnych stężeń przy ekspozycji. Wartości graniczne - patrz powyżej.

Środki techniczne:

Tworzenie się pary musi być utrzymywane na minimalnych i poniżej aktualnych wartościach granicznych (patrz powyżej). Zaleca się zainstalowanie lokalnego systemu wyciągowego, jeśli normalny przepływ powietrza w pomieszczeniu roboczym jest niewystarczający. Upewnij się, że stacje do przemywania oczu i prysznice są wyraźnie oznaczone.
Stosuj standardowe środki ostrożności podczas użytkowania produktu. Unikaj wdychania oparów.

▼*Zaradcze środki higieniczne:*

Umyć dłonie po użyciu.

Środki ograniczające narażenie środowiska:

Nie ma specjalnych wymagań.

Indywidualne środki ochrony takie jak indywidualne wyposażenie ochronne

Ogólnie:

Używać wyłącznie sprzętu ochronnego z oznakowaniem CE.

Ochronę dróg oddechowych:

Typ	**Klasa**	**Kolor**	**Normy**	
Brak szczególnych wymagań.				

Ochrona skór:

Polecamy	**Typu/Kategorii**	**Normy**	
Brak szczególnych przy zwykłym użyciu zgodnie z przeznaczeniem.	-	-	

Ochrona rąk:

Warunki pracy	**Materiał**	**Grubość rękawicy (mm)**	**Czas wytrzymałości (min.)**	**Normy**	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Brak szczególnych wymagań.	-	-	-	
	Nitril	0.35			

Ochrona oczu:

Warunki pracy	**Typ**	**Normy**	
	Brak szczególnych wymagań.	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Noś okulary ochronne z osłonami bocznymi.	EN166	

SEKCJA 9: WŁAŚCIWOŚCI FIZYCZNE I CHEMICZNE

9.1. Informacje na temat podstawowych właściwości fizycznych i chemicznych

Stan skupienia:
Ciekły

▼*Kolor:*
Bezbarwny

Zapach / Próg zapachu (ppm):
Charakterystyczny

pH:
ca. 9.0

Gęstość (g/cm^3):
1,04 (20 °C)

Lepkość kinematyczna:
Brak dostępnych danych.

Charakterystyka cząsteczek:
Nie dotyczy cieczy.

Zmiana stanu skupienia i opary

Temperatura topnienia/krzepnięcia (°C):
Brak dostępnych danych.

Temperaturę/zakres mięknienia (°C):
Nie dotyczy cieczy.

Temperatura wrzenia (°C):
Brak dostępnych danych.

Prężność pary:
Brak dostępnych danych.

Względna gęstość pary :
Brak dostępnych danych.

Temperatura rozkładu (°C):
Brak dostępnych danych.

Dane dotyczące niebezpieczeństwa pożaru i wybuchu

Temperatura zapłonu (°C):
Brak dostępnych danych.

Palność materiałów (°C):
Brak dostępnych danych.

Temperatura samozapłonu (°C):
Brak dostępnych danych.

Granice wybuchowości (obj. %):
Brak dostępnych danych.

Rozpuszczalność

Rozpuszczalność w wodzie:
Całkowicie rozpuszczalny

n-oktanol/woda współczynnik (LogKow):
Brak dostępnych danych.

Rozpuszczalność w tłuszczu (g/L):
Brak dostępnych danych.

9.2. Inne informacje

Inne parametry fizyczne i chemiczne:
Brak dostępnych danych.

Właściwości utleniające:
Brak dostępnych danych.

SEKCJA 10: STABILNOŚĆ I REAKTYWNOŚĆ

10.1. Reaktywność
Brak dostępnych danych.

10.2. Stabilność chemiczna
Przy prawidłowym użytkowaniu i przechowywaniu, zgodnie z sekcją 7 karty, produkt jest stabilny.

10.3. Możliwość występowania niebezpiecznych reakcji
Nie są znane.

10.4. Warunki, których należy unikać
Nie są znane.

10.5. Materiały niezgodne
Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

10.6. Niebezpieczne produkty rozkładu
W normalnych warunkach magazynowania i stosowania niebezpieczne produkty rozpadu nie powinny być wytwarzane.

SEKCJA 11: INFORMACJE TOKSYKOLOGICZNE

11.1. Informacje na temat klas zagrożenia zdefiniowanych w rozporządzeniu (WE) nr 1272/2008

Toksyczność ostra

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	>20000 mg/kg

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Królik
Droga narażenia:	Naskórnie
Test:	LD50
Wynik:	>2000 mg/kg

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Szczur
Droga narażenia:	Wziewnie
Test:	CL50
Wynik:	44.9 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 401
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	>5.000 mg/kg

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 402
Rodzaj:	Szczur
Droga narażenia:	Naskórnie

Test:	LD50
Wynik:	>2.000 mg/kg

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Rodzaj:	Szczur
Droga narażenia:	Naskórnie
Test:	LD50
Wynik:	>2000 mg/kg

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	>2000 mg/kg

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Rodzaj:	Szczur
Droga narażenia:	Naskórnie
Test:	LD50
Wynik:	>2000 mg/kg

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	1840 mg/kg

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Królik
Droga narażenia:	Naskórnie
Wynik:	>5000 mg/kg

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie żrące/drażniące na skórę

Produktu/składnik	Propane-1,2-diol
Wynik:	Nie zaobserwowano działań szkodliwych (Nie działa drażniąco)

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda badania:	OECD 404
Rodzaj:	Świnka morska
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Wynik:	Zaobserwowano działania szkodliwe (Żrący)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Poważne uszkodzenie oczu/działanie drażniące na oczy

Produktu/składnik	Propane-1,2-diol
Wynik:	Zaobserwowano działania szkodliwe (Nieznacznie drażniący)

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 404
Rodzaj:	Królik
Wynik:	Zaobserwowano działania szkodliwe (Nieznacznie drażniący)

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na drogi oddechowe
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na skórę
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie mutagenne na komórki rozrodcze
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie rakotwórcze
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Szkodliwe działanie na rozrodczość
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie jednorazowe
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie powtarzane
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Zagrożenie spowodowane aspiracją
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

11.2. Informacje o innych zagrożeniach

Długotrwałe działanie
Nie są znane.

Właściwości zaburzające funkcjonowanie układu hormonalnego
Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu hormonalnego w odniesieniu do zdrowia.

Inne informacje
Nie są znane.

SEKCJA 12: INFORMACJE EKOLOGICZNE

12.1. Toksyczność

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Ryba, Oncorhynchus mykiss
Czas:	96 godzin
Test:	LC50
Wynik:	40613 mg/L

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Skorupiak, Ceriodaphnia Dubia
Czas:	48 godzin
Test:	LC50
Wynik:	18340 mg/L

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Skorupiak, Ceriodaphnia Dubia
Czas:	7 dni
Test:	NOEC
Wynik:	13020 mg/L

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Glon, Pseudokirchneriella subcapitata
Czas:	96 godzin
Test:	ErC50

Wynik:	19000 mg/L

Produktu/składnik	Propane-1,2-diol
Rodzaj:	Bakteria, Pseudomonas putida
Czas:	18 hours
Test:	NOEC
Wynik:	>20000 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 203
Rodzaj:	Ryba, Pimephales promelas
Test:	LC50
Wynik:	>1-10 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 202
Rodzaj:	Skorupiak, Daphnia magna
Test:	CE50
Wynik:	>1-10 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 201
Rodzaj:	Andere waterorganismen, Desmodesmus subspicatus
Test:	CE50
Wynik:	>1-10 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 209
Rodzaj:	Pseudomonas putida
Element środowiska :	Aktywowana instalacja z osadem
Test:	EC0
Wynik:	>100 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 210
Rodzaj:	Ryba
Test:	NOEC
Wynik:	>0,1-1 mg/L

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda badania:	OECD 211
Rodzaj:	Skorupiak, Daphnia magna
Test:	NOEC
Wynik:	>0,1-1 mg/L

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda badania:	OECD 201
Rodzaj:	Glon
Element środowiska :	Woda słodka
Czas:	72 godzin
Test:	CE50
Wynik:	410 mg/L

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda badania:	OECD 203

Rodzaj:	Ryba
Element środowiska :	Woda słodka
Czas:	96 godzin
Test:	LC50
Wynik:	2,9 mg/L

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda badania:	OECD 201
Rodzaj:	Glon
Element środowiska :	Woda słodka
Czas:	72 godzin
Test:	NOEC
Wynik:	4,9 mg/L

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Ryba
Czas:	96 godzin
Test:	LC50
Wynik:	>100 mg/L

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Glon
Czas:	72 godzin
Test:	ErC50
Wynik:	>100 mg/L

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Daphnia magna
Czas:	48 godzin
Test:	CE50
Wynik:	>100 mg/L

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Ryba
Test:	NOEC
Wynik:	23 mg/L

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Rodzaj:	Andere waterorganismen
Czas:	30 minutes
Test:	CE50
Wynik:	>1000 mg/L

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

12.2. Trwałość i zdolność do rozkładu

Produktu/składnik	Propane-1,2-diol
Wynik:	96%
Wniosek:	Łatwe uleganie biodegradacji

Produktu/składnik	Propane-1,2-diol
Czas:	28 dni
Wynik:	81 %
Wniosek:	Łatwe uleganie biodegradacji

Produktu/składnik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Wniosek:	Łatwe uleganie biodegradacji

Produktu/składnik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Wniosek:	Łatwe uleganie biodegradacji

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
Wynik:	>70
Wniosek:	Łatwe uleganie biodegradacji
Test:	OECD 301 A

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

12.3. Zdolność do bioakumulacji

Produktu/składnik	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Wniosek:	Brak zdolności do bioakumulacji

Produktu/składnik	2-fenoksyetanol;eter monofenylowy glikolu etylenowego
BCF:	0.349
LogKow:	1.2
Wniosek:	-

12.4. Mobilność w glebie

Brak dostępnych danych.

12.5. Wyniki oceny właściwości PBT i vPvB

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

12.6. Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu endokrynnego w odniesieniu do środowiska.

12.7. Inne szkodliwe skutki działania

Nie są znane.

SEKCJA 13: POSTĘPOWANIE Z ODPADAMI

13.1. Metody unieszkodliwiania odpadów

Wyrób nie podlega regułom dotyczącym niebezpiecznych odpadów.
Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Europejski kod odpadu (EWC):

20 01 30 Detergenty inne niż wymienione w 20 01 29

Zanieczyszczone opakowanie

Opakowania zawierające pozostałości produktu należy usuwać w taki sam sposób jak produkt.

SEKCJA 14: INFORMACJE DOTYCZĄCE TRANSPORTU

	14.1 UN / ID	14.2 Prawidłowa nazwa przewozowa UN	14.3 Klasa(-y) zagrożenia w transporcie	14.4 PG*	14.5. Env**	Inne informacje:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupa pakowania

** Zagrozenia dla srodowiska

Inne
Nie jest niebezpiecznym towarem wg kodeksów ADR, IATA i IMDG

14.6. Szczególne środki ostrożności dla użytkowników
Nie dotyczy.

14.7. Transport morski luzem zgodnie z instrumentami IMO
Brak dostępnych danych.

SEKCJA 15: INFORMACJE DOTYCZĄCE PRZEPISÓW PRAWNYCH

15.1. Przepisy prawne dotyczące bezpieczeństwa, zdrowia i ochrony środowiska specyficzne dla substancji lub mieszaniny

Ograniczenia użycia:
Produkt przeznaczony wyłącznie do użytku zawodowego.

Wymagania szczególnego wykształcenia:
Nie ma specjalnych wymagań.

SEVESO - Kategorie niebezpiecznych substancji / Wskazane substancje niebezpieczne:
Nie dotyczy.

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów:

>15% - <30%
· Niejonowe środki powierzchniowo czynne
< 5%
· Amfoteryczne środki powierzchniowo czynne
· Anionowe środki powierzchniowo czynne
· Środek konserwujący (PHENOXYETHANOL)

Inne:
Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

Źródła:
Rozporządzenie (WE) nr 648/2004 Parlamentu Europejskiego i Rady z dnia 31 marca 2004 r. w sprawie detergentów.
Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).
Rozporządzenie Parlamentu Europejskiego i Rady (WE) nr 1272/2008 z dnia 16 grudnia 2008 r. w sprawie klasyfikacji, oznakowania i pakowania substancji i mieszanin (CLP).
Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 26.09.1997r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy. (Dz.U. 2003 nr 169 poz. 1650) z późniejszymi zmianami.
Rozporządzenie Ministra Zdrowia z dnia 30.12.2004 roku w sprawie bezpieczeństwa i higieny pracy związanej z występowaniem w miejscu pracy czynników chemicznych. (Dz. U. z 2005r. Nr 11, poz. 86) z późniejszymi zmianami.
ROZPORZĄDZENIE PARLAMENTU EUROPEJSKIEGO I RADY (UE) 2016/425 z dnia 9 marca 2016 r. w sprawie środków ochrony indywidualnej oraz uchylenia dyrektywy Rady 89/686/EWG.
Ustawa o substancjach i ich mieszaninach z dnia 25.02.2011r. (Dz.U. 2011 nr 63 poz. 322) z późniejszymi zmianami.
Rozporządzenie (WE) nr 1907/2006 PeiR z dnia 18.12.2006r. w sprawie rejestracji, oceny, udzielania zezwoleń i stosowanych ograniczeń w zakresie chemikaliów (REACH), utworzenia Europejskiej Agencji Chemikaliów, zmieniające dyrektywę 1999/45/WE oraz uchylające rozporządzenie Rady (EWG) nr 793/93 i rozporządzenie Komisji (WE) nr 1488/94, jak również dyrektywę Rady 76/769/EWG i dyrektywy Komisji 91/155/EWG, 93/67/EWG, 93/105/WE i 2000/21/WE.

15.2. Ocena bezpieczeństwa chemicznego
Nie

SEKCJA 16: INNE INFORMACJE

Pełne sformułowanie zwrotów ryzyka wymienionych w sekcji 3

H302, Działa szkodliwie po połknięciu.
H315, Działa drażniąco na skórę.
H318, Powoduje poważne uszkodzenie oczu.
H319, Działa drażniąco na oczy.
H335, Może powodować podrażnienie dróg oddechowych.
H412, Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki.

Skróty i akronimy

ADN = Europejskie Warunki dotyczące Międzynarodowego Przewozu Niebezpiecznych Towarów Wodnymi Drogami Śródlądowymi
ADR = Europejskie Porozumienie dotyczące Międzynarodowych Przewozów Niebezpiecznych Towarów Transportem Drogowym
ATE = Szacunkowa toksyczność ostra
BCF = Współczynnik biokoncentracji
CAS = Chemical Abstract Service (Serwis Wypisów Chemicznych)
CE = Zgodność europejska
CLP = Rozporządzenie dotyczące klasyfikacji, oznakowania i pakowania (Rozporządzenie (WE) nr 1272/2008)
CSA = Ocena bezpieczeństwa chemicznego
CSR = Raport bezpieczeństwa chemicznego
DNEL = Pochodny Poziom Niepowodujący Zmian
EINECS = Europejski Spis Istniejących Substancji Chemicznych Znajdujących się na Rynku
ES = Scenariusz narażenia
EUH statement = CLP Zwrot wskazujący rodzaj zagrożenia
EuPCS = Europejski system klasyfikacji produktów
EWC = Europejski Katalog Odpadów
GHS = Globalnie Zharmonizowany System Klasyfikacji i Oznakowania Chemikaliów
GWP = Współczynnik globalnego ocieplenia
IATA = Międzynarodowe Zrzeszenie Przewoźników Powietrznych
IBC = Intermediate Bulk Container
IMDG = Międzynarodowy Morski Kod Towarów Niebezpiecznych
LogPow = logarytm współczynnika podziału oktanolu/wody
MARPOL = Międzynarodowa Konwencja Zapobiegania Zanieczyszczeniom ze Statków, 1973 modyfikowana Protokołem z roku 1978 (Marpol = zanieczyszczenia morskie)
NDS = średniej ważonej w czasie
OECD = Organizacja Współpracy Ekonomicznej i Rozwoju
PBT = Trwały, wykazujący zdolność do bioakumulacji i toksyczny
PNEC = Przewidywane Stężenie Niepowodujące Zmian w Środowisku
RID = Regulamin dla międzynarodowego przewozu kolejami towarów niebezpiecznych
RRN = Numer rejestracyjny REACH
SCL = Specyficzne stężenie.
SVHC = Substancja wzbudzające poważne obawy
STOT-RE = Toksyczność docelowa specyficznego narządu - powtarzalne narażenie
STOT-SE = Toksyczność docelowa specyficznego narządu - jednorazowe narażenie
UN = Organizacja Narodów Zjednoczonych (ONZ)
UVCB = Oznacza substancje o nieznanym lub zmiennym składzie, złożone produkty reakcji lub materiały biologiczne.
VOC = Lotny związek organiczny
vPvB = Bardzo trwały i wykazujący bardzo dużą zdolność do bioakumulacji

Inne

Nie dotyczy.

Karta charakterystyki została zatwierdzona przez

Quality & Compliance

Inne

Zmiany w stosunku do ostatniej aktualizacji (pierwsza cyfra w wersji karty SDS, sekcji 1) tej karty charakterystyki są oznakowane trójkątami.

Informacje zawarte w niniejszej karcie charakterystyki odnoszą się tylko do produktu wymienionego w sekcji 1 i mogą nie być aktualne w odniesieniu do użycia razem z innymi produktami.
Zaleca się dostarczenie niniejszej karty charakterystyki faktycznemu użytkownikowi produktu. Wymienione informacje nie mogą być używane jako specyfikacja produktu.
Kraj-język: PL-pl

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for QATAR according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: QA-en

FIȘĂ CU DATE DE SECURITATE

i.2 kitchen cleaner FlexDose Ultra

SECȚIUNEA 1: IDENTIFICAREA SUBSTANȚEI/AMESTECULUI ȘI A SOCIETĂȚII/ÎNTREPRINDERII

1.1. Element de identificare a produsului

Nume comercial:
i.2 kitchen cleaner FlexDose Ultra

1.2. Utilizări relevante identificate ale substanței sau ale amestecului și utilizări contraindicate

Utilizări de identificare relevante ale substanței sau amestecurilor:
Detergenți și agenți de curățare (inclusiv cei pe bază de solvenți)
Utilizare limitată numai în scopuri profesionale.

Utilizați împotriva:
Nimeni familiar.

1.3. Detalii privind furnizorul fișei cu date de securitate

Companie și adresă:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

Revizuire:
05.08.2025

Versiune SDS:
2.0

Data emiterii anterioare:
16.07.2025 (2.0)

1.4. Număr de telefon care poate fi apelat în caz de urgență

BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE TOXICOLOGICA: (+40) 21 599 2300
Vedeți secțiunea 4 - Măsuri de prim ajutor

SECȚIUNEA 2: IDENTIFICAREA PERICOLELOR

2.1. Clasificarea substanței sau a amestecului

Neclasificat în conformitate cu Regulamentul (CE) Nr. 1272/2008 (CLP).

2.2. Elemente pentru etichetă

Pictograma periculoasa:
Nu este aplicabil.

Cuvânt de semnal:
Nu este aplicabil.

Declarație periculoasă:
Nu este aplicabil.

Fraze de precauție:

General:
-

Prevenire:
-

Raspuns:
-

Stocare:
-

Aruncare:
-

Identitatea substanțelor ce sunt responsabile pentru majoritatea pericolelor de sănătate.:
Nu conține substanțe necesare pentru a raporta

▼*Etichetare adițională:*
EUH210, Fişa cu date de securitate disponibilă la cerere.
Nu este aplicabil.

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004 (aplicabil ambalajelor detergenților vânduți publicului larg):

>15% - <30%
· Agenți tensioactivi neionici
< 5%
· Agenți tensioactivi amfoterici
· Agenți tensioactivi anionici
· Conservant (PHENOXYETHANOL)

2.3. Alte pericole

Avertismente adiționale:
Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.
Acest produs nu conține substanțe considerate a fi perturbatoare endocrine în conformitate cu criteriile incluse în Regulamentul Delegat al Comisiei (UE) 2017/2100 sau Regulamentul Comisiei (UE) 2023/707.

SECȚIUNEA 3: COMPOZIȚIE/INFORMAȚII PRIVIND COMPONENȚII

3.1. Substanțe
Nu este aplicabil. Acest produs este un amestec.

3.2. Amestecuri

Produs/ingredient	Identificatori	% w/w	Clasificare	Notițe
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	Nr. CAS: 147170-44-3 Nr. CE: 604-575-4 REACH: Nr. de index:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Nr. CAS: 85536-23-8 Nr. CE: REACH: 01-2119565130-50-0000 Nr. de index:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxietanol	Nr. CAS: 122-99-6 Nr. CE: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg)	

	REACH: 01-2119488943-21 Nr. de index: 603-098-00-9		Eye Dam. 1, H318 STOT SE 3, H335	

Vedeți textul complet al frazelor H în secțiunea 16. Limitele de expunere ocupaționale sunt listate în secțiunea 8, dacă sunt disponibile.

Alte informații

[19] UVCB = înseamnă compoziție necunoscută sau variabilă, produse de reacție complexă sau materiale biologice.

SECȚIUNEA 4: MĂSURI DE PRIM AJUTOR

4.1. Descrierea masurilor de prim ajutor

Informații generale:

În cazul accidentului contactați imediat doctorul sau departamentul în cauză. Luați cu dvs. Eticheta sau datește de siguranță.
Contactați un doctor, dacă aveți dubii cu privire la condițiile persoanei rănite sau dacă simptomele continuă.
Niciodată nu oferiți unei persoane inconștiente apă sau produse similare.

▼*Inhalare:*

În caz de discomfort, scoateți persoana la aer curat.

Contact cu pielea:

În caz de iritație, clătiți produsul. În cazul unei iritații continue, apelați imediat la asistență medicală.

▼*Contactul cu ochii:*

Clătiți ușor cu apă călduță. Îndepărtați lentilele de contact dacă acest lucru este ușor de făcut. Continuați clătirea.
În caz de iritație persistentă sau disconfort ocular apelați la ajutor medical.

▼*Înghițire:*

Clătiți gura foarte bine și beți cantități mari de apă. În cazul discomfortului continuu - apelați la asistență medicală și luați cum dvs fișa privind datele de protecție.

Arsuri:

Nu este aplicabil.

4.2. Cele mai importante simptome și efecte, atât acute, cât și întârziate

Nimeni familiar.

4.3. Indicații privind orice fel de asistență medicală imediată și tratamentele speciale necesare

Tratați simptomatic.

Informații pentru medici

Aduceți fișă cu date de securitate și eticheta materialului cu dvs.

SECȚIUNEA 5: MĂSURI DE COMBATERE A INCENDIILOR

5.1. Mijloace de stingere a incendiilor

Nu este aplicabil.

5.2. Pericole speciale cauzate de substanța sau de amestecul în cauză

Focul va rezulta într-un fum gros. Expunerea la produsele catabolice pot dăuna sănătății. Containerele închise ce sunt expuse la foc trebuie să fie răcite cu apă. Nu lăsați apa din extinctoarele de foc să intre în containere și alți curenți de apă.
Dacă produsul este expus la temperaturi ridicate, precum focul, sunt produse substanțe catabolice periculoase.
Acestea sunt
Oxizi de carbon (CO / CO2)

5.3. Recomandari destinate pompierilor

Nu există cerințe specifice.

SECȚIUNEA 6: MĂSURI DE LUAT ÎN CAZ DE DISPERSIE ACCIDENTALĂ

6.1. Precauții personale, echipament de protecție și proceduri de urgență
Zonele contaminate pot fi alunecoase.

6.2. Precauții pentru mediul înconjurător
Evitați descărcarea în lacuri, ape curgătoae, canale colectoare, etc.
Țineți persoanele neautorizate departe de deversare.

6.3. Metode și material pentru izolarea incendiilor și pentru curățenie
Opriți și colectați scurgerile cu material necombustibil, absorbant, de ex. nisip, pământ, vermiculită sau pământ de diatomee, și puneți-le într-un recipient pentru eliminare în conformitate cu reglementările locale.
Curățarea trebuie să fie făcută cât mai departe posibil utilizând agenți de curățare. Nu utilizați solvenți.

6.4. Trimitere la alte secțiuni
Vedeți secțiunea 13 Considerații privind eliminarea - pentru manipularea deșeurilor.
Vedeți secțiunea 8 Controale ale expunerii/protecția personală măsuri de protecție.

SECȚIUNEA 7: MANIPULAREA ȘI DEPOZITAREA

7.1. Precauții pentru manipularea în condiții de securitate
Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.
Vedeți secțiunea Controale ale expunerii/protecția personală pentru informații privind măsuri de protecție personală.

7.2. ▼Condiții de depozitare în condiții de securitate, inclusiv eventuale incompatibilități

Compatibilitățile privind ambalarea:
A se păstra numai în ambalajul original.

Conditii de depozitare:
Uscată, răcoroasă și bine ventilată

Materiale incompatibile:
Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

7.3. Utilizare (utilizari) finala (finale) specifica (specifice)
Acest produs trebuie să fie utilizat doar pentru aplicarea descrisă în secțiunea 1.2.

SECȚIUNEA 8: CONTROALE ALE EXPUNERII/PROTECȚIA PERSONALĂ

8.1. Parametri de control
Produsul nu conține nicio substanță menționată în lista de substanțe cu o limită de expunere profesională, valabilă în România.

DNEL
2-fenoxietanol

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice	Epidermică	10,42 mg/kg
Termen lung - efecte sistemice - lucrători	Epidermică	34.72 mg/kg/zi
Termen lung - efecte sistemice - populație generală	Epidermică	20,83 mg/kg
Termen lung - efecte locale - lucrători	Inhalare	5,7 mg/m³
Termen lung - efecte sistemice	Inhalare	2,41 mg/m³
Termen lung - efecte sistemice - lucrători	Inhalare	5,7 mg/m³
Termen lung - efecte sistemice - lucrători	Inhalare	8.07 mg/m³
Termen lung	Orală	9,23 mg/kg

PNEC

2-fenoxietanol

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		0.0943 mg/L
Apă dulce		0,943 mg/L
Sedimente de apă de mare		0,7237 mg/kg
Sedimente de apă dulce		7.2366 mg/kg
Sol		1,26 mg/kg
Stație de epurare a apelor uzate		24,8 mg/L
Stație de epurare a apelor uzate	Singulară	36 mg/L

8.2. ▼Controale ale expunerii

Controlați aplicarea în general pentru a preveni expunerea inutilă.

Recomandari generale:

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Scenariile de expunere:

Nu există scenarii de expunere implementate pentru acest produs

Limite expunere:

Dacă nu există limite maxime de expunere pentru substanțe conținute în acest produs.

Masuri tehnice corespunzatoare:

Aplicați măsurile standard de precauție în timpul utilizării produsului. Evitați inhalarea vaporilor.

▼*Masuri de igiena:*

Spălați-vă pe mâini după utilizare.

Masuri pentru evitarea expunerii la mediu:

Nu există cerințe specifice.

Măsuri de protecție individuale, cum ar fi echipamente de protecție personale

General:

Utilizați doar echipementele de protecție marcate CE

Echipament de respirație:

Tipul	Clasa	Culoare	Standardele	
Nu este special dacă este utilizat după scop				

Protecția pielii:

Recomandat	Tip/Categoria	Standardele	
Nu este special dacă este utilizat după scop	-	-	

Protecția mâinii:

Situație de lucru	Material	Grosimea minimă a stratului (mm)	Timpul de perforare (min.)	Standardele	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Nu este special dacă este utilizat după scop	-	-	-	
	Nitril	0.35			

Protecția ochilor:

Situație de lucru	Tipul	Standardele	
	Nu este special dacă este utilizat după scop	-	

Situație de lucru	Tipul	Standardele	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Purtați ochelari cu protecție laterală.	EN166	

SECȚIUNEA 9: PROPRIETĂȚILE FIZICE ȘI CHIMICE

9.1. Informații privind proprietățile fizice și chimice de bază

Forma:
Lichid

▼*Culoare:*
Incolor

Parfum / Pragul de acceptare a mirosului (ppm):
Caracteristic

pH:
ca. 9.0

Densitate (g/cm³):
1,04 (20 °C)

Viscozitatea cinematică:
Nu există date disponibile.

Caracteristicile particulei:
Nu se aplică lichidelor.

Modificari fazice

Punctul de topire/punctul de înghețare (°C):
Nu există date disponibile.

Punctul / intervalul de înmuiere (°C):
Nu se aplică lichidelor.

Punct de fierbere (°C):
Nu există date disponibile.

Presiune vaporica:
Nu există date disponibile.

Densitatea relativă a vaporilor:
Nu există date disponibile.

Temperatura de descompunere (°C):
Nu există date disponibile.

Date privind focul și pericolele de explozie

Temperatura de aprindere (°C):
Nu există date disponibile.

Inflamabilitatea (°C):
Nu există date disponibile.

Temperatura de autoaprindere (°C):
Nu există date disponibile.

Limite expunere (Vol%):
Nu există date disponibile.

Solubilitate

Solubilitate în apa:
Complet solubil

n-octanol/ coeficient apa (LogKow):

Nu există date disponibile.

Solubilitate în grasimi (g/L):
Nu există date disponibile.

9.2. Alte informații

Alți parametri fizici și chimici:
Nu există date disponibile.

Proprietăți oxidante:
Nu există date disponibile.

SECȚIUNEA 10: STABILITATE ȘI REACTIVITATE

10.1. Reactivitate
Nu există date disponibile.

10.2. Stabilitate chimica
Produsul este stabil în conformitate cu condițiile, notate în secțiunea 7 "Manipularea și depozitarea"

10.3. Posibilitatea de reacții periculoase
Nimeni familiar.

10.4. Condiții de evitat
Nimeni familiar.

10.5. Materiale incompatibile
Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

10.6. Produși de descompunere periculoși
În condiții normale de depozitare și utilizare, nu ar trebui să se genereze produși de descompunere periculoși.

SECȚIUNEA 11: INFORMAȚII TOXICOLOGICE

11.1. Informații privind clasele de pericol definite în Regulamentul (CE) nr. 1272/2008

Toxicitate acuta

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 401
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	>5.000 mg/kg

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 402
Specii:	Șobolan
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2.000 mg/kg

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specii:	Șobolan
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2000 mg/kg

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50

Rezultat:	>2000 mg/kg

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Specii:	Șobolan
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2000 mg/kg

Produs/ingredient	2-fenoxietanol
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	1840 mg/kg

Produs/ingredient	2-fenoxietanol
Specii:	Iepure
Ruta expunerii:	Epidermică
Rezultat:	>5000 mg/kg

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Coroziunea/ iritația pielii

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda de testare:	OECD 404
Specii:	Cobai
Rezultat:	Se observă efecte adverse (Iritant)

Produs/ingredient	2-fenoxietanol
Rezultat:	Se observă efecte adverse (Corosiv)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Daune serioae ale ochilor/ iritație

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 404
Specii:	Iepure
Rezultat:	Se observă efecte adverse (Ușor iritant)

Produs/ingredient	2-fenoxietanol
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea căilor respiratorii

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea pielii

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Mutație celule embrioni

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Cancerigenitate

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Toxicitate reproductiva

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere singulara STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere repetata STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Aspirare periculoasa
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

11.2. Informații privind alte pericole

Efecte pe termen lung
Nimeni familiar.

Proprietăți de perturbator endocrin
Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare hormonală în ceea ce privește sănătatea.

Alte informaţii
Nimeni familiar.

SECȚIUNEA 12: INFORMAȚII ECOLOGICE

12.1. Toxicitatea

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 203
Specii:	Pește, Pimephales promelas
Test:	LC50
Rezultat:	>1-10 mg/L

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 202
Specii:	Crustacee, Daphnia magna
Test:	EC50
Rezultat:	>1-10 mg/L

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 201
Specii:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Rezultat:	>1-10 mg/L

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 209
Specii:	Pseudomonas putida
Compartimentul de mediu :	Stație de nămoluri uzate
Test:	EC0
Rezultat:	>100 mg/L

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 210
Specii:	Pește
Test:	NOEC
Rezultat:	>0,1-1 mg/L

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Metoda de testare:	OECD 211
Specii:	Crustacee, Daphnia magna
Test:	NOEC
Rezultat:	>0,1-1 mg/L

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda de testare:	OECD 201
Specii:	Alge
Compartimentul de mediu :	Apă dulce
Durata:	72 ore
Test:	EC50
Rezultat:	410 mg/L

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda de testare:	OECD 203
Specii:	Pește
Compartimentul de mediu :	Apă dulce
Durata:	96 ore
Test:	LC50
Rezultat:	2,9 mg/L

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Metoda de testare:	OECD 201
Specii:	Alge
Compartimentul de mediu :	Apă dulce
Durata:	72 ore
Test:	NOEC
Rezultat:	4,9 mg/L

Produs/ingredient	2-fenoxietanol
Specii:	Pește
Durata:	96 ore
Test:	LC50
Rezultat:	>100 mg/L

Produs/ingredient	2-fenoxietanol
Specii:	Alge
Durata:	72 ore
Test:	ErC50
Rezultat:	>100 mg/L

Produs/ingredient	2-fenoxietanol
Specii:	Daphnia magna
Durata:	48 ore
Test:	EC50
Rezultat:	>100 mg/L

Produs/ingredient	2-fenoxietanol
Specii:	Pește
Test:	NOEC
Rezultat:	23 mg/L

Produs/ingredient	2-fenoxietanol
Specii:	Andere waterorganismen
Durata:	30 minutes
Test:	EC50
Rezultat:	>1000 mg/L

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

12.2. Persistența și degradabilitatea

Produs/ingredient	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Concluzie:	Biodegradabilitate rapidă

Produs/ingredient	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Concluzie: Biodegradabilitate rapidă

Produs/ingredient 2-fenoxietanol
Rezultat: >70
Concluzie: Biodegradabilitate rapidă
Test: OECD 301 A

Agentul/Agenţii tensioactiv(i) conţinut(ţi) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenţii. Datele care susţin această afirmaţie sunt ţinute la dispoziţia autorităţilor competente ale Statelor Membre şi le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenţi.

12.3. Potențialul de bioacumulare

Produs/ingredient 2-fenoxietanol
BCF: 0.349
LogKow: 1.2
Concluzie: -

12.4. Mobilitatea în sol

Nu există date disponibile.

12.5. Rezultatele evaluărilor PBT și vPvB

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

12.6. Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare a sistemului endocrin în raport cu mediul.

12.7. Alte efecte adverse

Nimeni familiar.

SECȚIUNEA 13: CONSIDERAȚII PRIVIND ELIMINAREA

13.1. Metode de tratare a deșeurilor

Acest produs nu este acoperit de regulamentele privind deșeurile periculoase.
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.

Cod EWC:
20 01 30 Detergenți, alții decât cei de la 20 01 29

Ambalare contaminata

Pachetele ce conțin resturi din produse trebuie dispuse în același loc ca și produsul.

SECȚIUNEA 14: INFORMAȚII REFERITOARE LA TRANSPORT

	14.1 ONU	14.2 Denumirea corectă ONU pentru expediție	14.3 Clasa (clasele) de pericol pentru transport	14.4 PG*	14.5. Env**	Alte informații:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupul de ambalare

** Pericole pentru mediul înconjurator

Informații adiționale

Nu sunt listate bunuri pericuoase în conformiatte cu ADR, IATA și regulamentele IMDG.

14.6. Precauții speciale pentru utilizatori

Nu este aplicabil.

14.7. Transportul maritim în vrac în conformitate cu instrumentele OMI
Nu există date disponibile.

SECȚIUNEA 15: INFORMAȚII DE REGLEMENTARE

15.1. Regulamente/legislație în domeniul securității, al sănătății și al mediului specifice (specifică) pentru substanța sau amestecul în cauză

Restricții pentru aplicare:
Utilizare limitată numai în scopuri profesionale.

Cerințe pentru instruire corespunzătoare:
Nu există cerințe specifice.

SEVESO - Categorii de substanțe periculoase / Denumirea substanțelor periculoase:
Nu este aplicabil.

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004:

>15% - <30%
· Agenți tensioactivi neionici
< 5%
· Agenți tensioactivi amfoterici
· Agenți tensioactivi anionici
· Conservant (PHENOXYETHANOL)

Informații adiționale:
Agentul/Agenţii tensioactiv(i) conţinut(ţi) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenţii. Datele care susţin această afirmaţie sunt ţinute la dispoziţia autorităţilor competente ale Statelor Membre şi le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenţi.

Surse:
Regulamentul (CE) nr. 648/2004 al Parlamentului European și al ConsiliuluiI din 31 martie 2004 privind detergenții.
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.
Regulamentul (CE) nr. 1272/2008 al Parlamentului European și al Consiliului din 16 decembrie 2008 privind clasificarea, etichetarea și ambalarea substanțelor și a amestecurilor (CLP).
Regulamentul (CE) nr. 1907/2006 al Parlamentului European și al Consiliului din 18 decembrie 2006 privind înregistrarea, evaluarea, autorizarea și restricționarea substanțelor chimice (REACH).

15.2. Evaluarea securității chimice
Nu

SECȚIUNEA 16: ALTE INFORMAȚII

Textul complet al frazelor H sunt menționate în secțiunea 3.
H302, Nociv în caz de înghiţire.
H315, Provoacă iritarea pielii.
H318, Provoacă leziuni oculare grave.
H319, Provoacă o iritare gravă a ochilor.
H335, Poate provoca iritarea căilor respiratorii.
H412, Nociv pentru mediul acvatic cu efecte pe termen lung.

Abrevieri şi acronime
ADN = Prevederile Europene privind Transportul Internaţional de Mărfuri Periculoase pe Ape Continentale
ADR = Acordul European privind Transportul Internaţional Rutier de Mărfuri Periculoase
TAE = Toxicitate Acută Estimată
FBC = Factor de Bioconcentraţie
CAS = Serviciul de Catalogare al Chimicalelor
CE = Conformité Européenne
CLP = Regulamentul privind Clasificarea, Etichetarea şi Ambalarea [Regulamentul (CE) Nr. 1272/2008
COV = Compus Organic Volatil

CSA = Evaluare privind Siguranţa Chimică
CSR = Raport privind Siguranţa Chimică
DNEL = Nivel Fără Efect
EINECS = Inventarul European al Substanţelor Chimice Existente pe piaţă
ES = Scenariu de Expunere
specificare EUH = specificare privind pericolul specifică CLP
EuPCS = Sistemul european de clasificare a produselor
EWC = Catalog European pentru Deşeuri
GHS = Sistem Global Harmonizat al Clasificării şi Etichetării Chimicalelor
GWP = Potențialul de încălzire globală
IATA = Asociaţia Internaţională a Transportului Aerian
IBC = Container Intermediar Vrac IMDG = Internaţional Maritim Mărfuri Periculoase
LogPow = logaritm al octanolului/coeficient al partiţiei apei
MARPOL 73/78 = Convenţia Internaţională pentru Prevenirea Poluării provenite de la Nave, 1973 aşa cum a fost modificată prin Protocolul din 1978 ("Marpol" = poluare marină)
OECD = Organizaţia pentru Cooperarea Economică şi Dezvoltare
PBT = Persistent, Biocumulativ şi Toxic
PNEC = Concentraţie Prevăzută Fără Efect
RID = Regulamentul privind Transportul Internaţional Feroviar al Mărfurilor Periculoase
RRN = Număr Înregistrare REACH
SCL = Concentraţie specifică.
SVHC = Substanţe de Foarte Mare Îngrijorare
STOT-RE = Toxicitate Organ Ţintă Specifică - Expunere Repetată
STOT-SE = Toxicitate Organ Ţintă Specifică - Expunere Unică
VLA = Medie cântărită în timp
UN = Naţiunile Unite
UVCB = compoziție necunoscută sau variabilă, produse cu reacție complexă sau cu materiale biologice
vPvB = Foarte Persistent si Foarte Biocumulativ

▼Informații adiționale

În conformitate cu Articolul 31 al REACH, nu este necesară o fişă cu date de securitate pentru acest produs. Această fişă cu date de securitate a fost creată voluntar pentru a distribui informaţiile relevante conform cerinţelor de la Articolul 32 al REACH.

Fișă cu date de securitate este validată de

Quality & Compliance

Altele

O modificare (în proporție cu ultima modificare esențială (primul cifru din versiunea SDS) este marcată cu un triunghi.
Informațiile din fișă de securitate se aplică doar acestui produs specific (menționat în secțiunea 1) și nu este în mod necesar corect pentru utilizarea altor chimicale/ produse.
Este recomandat să predeați fișă cu date de securitate actualului urilizator al produsului. Informații cu privire la această fișă nu pot fi folosite ca și specificațiile produsului.
Țară-limbă: RO-ro

БЕЗБЕДНОСНИ ЛИСТ

i.2 kitchen cleaner FlexDose Ultra

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

Комерцијално име:
i.2 kitchen cleaner FlexDose Ultra

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:
Детерџенти и средства за чишћење (укључујући и оне на бази растварача)
Дозвољено само за професионално коришћење.

Употребе које се не препоручују:
Нема познатих.

1.3. Подаци о снабдевачу

Компания и адреса:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Електронска адреса:
info@hygeniq.com

Датум безбедносног листа:
5.8.2025.

Верзия безбедносног листа:
2.0

Датум претходне верзије:
16.7.2025. (2.0)

1.4. Број телефона за хитне случајеве

Телефонски брой хитне помоć: 194
Дежурни токсиколог (24 сата дневно): +381 (11) 360 84 40
Центар за контролу трованя на ВМА, тел: +381 (11) 266 11 22, +381 (11) 266 27 55
Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Нийе класификовано према Правилнику о класификацийи, пакованю, означаваню и оглашаваню (Сл. гласник РС, 105/13).

2.2. Елементи обележавања

Пиктограм опасности:

Није применљиво.

Реч упозорења:
Није применљиво.

Обавештење о опасности:
Није применљиво.

Обавештење о мерама предострожности:

Опште:
-

Превенција:
-

Реаговање:
-

Складиштење:
-

Одлагање:
-

Опасне материје:
Не садржи никакве супстанце које је потребно пријавити

▼*Додатно обавештење о опасности:*
EUH210, Безбедносни лист доступан на захтев.
Није применљиво.

Означаванйе садржая према ПРАВИЛНИК о детергентима (примењује се на амбалажу детерџената који се продају широј јавности):

>15% - <30%
· Нејонски сурфактанти
< 5%
· Амфотерни сурфактанти
· Анјонски сурфактанти
· Конзерванси (PHENOXYETHANOL)

2.3. Остале опасности

Додатна упозореня:
Ова смеша/производ не садржи супстанце за које се сматра да испуняваю критериюме да буду класификовани као ПБТ и/или вПвБ.
Овај производ не садржи материје које се сматрају ендокриним дисрупторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О САСТОЈЦИМА

3.1. Подаци о састојцима супстанце
Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS бр.: 147170-44-3 EC бр.: 604-575-4 REACH: Индекс бр. :	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-	CAS бр.: 85536-23-8	1-3%	Skin Irrit. 2, H315	

(hydroxyethyl), ethoxylated	ЕС бр.: REACH: 01-2119565130-50-0000 Индекс бр. :		Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS бр.: 122-99-6 ЕС бр.: 204-589-7 REACH: 01-2119488943-21 Индекс бр. : 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Погледајте потпуни текст Х-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци
UVCB = Непознат или променљив састав, сложени продукти реакције или биолошки материјали

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:
Уколико је дисање неправилно, и являю се поспаност, губитак свести или грчеви: Позовите 194 и одмах почните са мерама помоћи (прва помоћ).
Ако имате сумње у вези са станјем повређене особе или ако симптоми потраю, обратите се лекару. Никад несвесној особи немојте давати воду или неко друго пиће.

▼*После удисања:*
У случаю мучнине: изведите особу на свеж ваздух.

У додиру са кожом:
У случаю иритације: исперите водом. У случаю упорне иритације, потражите лекарску помоћ.

▼*Након контакта са очима:*
Благо исперите млаком водом. Уклоните контактна сочива ако је то лако учинити. Наставите са испирањем. У случају упорне иритације или нелагодности ока: потражити медицинску помоћ.

▼*Након гутања:*
Темељито исперите и оперите уста и конзумирајте велике количине воде. У случаю упорне мучнине: потражите медицинску помоћ и понесите овај безбедносни лист.

Сагоревање:
Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени
Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман
Третирајте симптоматски.

Информације за здравствене раднике
Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара
Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша
Пожар ће довести до стварања густог дима. Излагање запаљивим производима може наштетити вашем здравлю. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацию и оближње површинске токове.
Уколико је производ изложен високим температурама, нпр. у случаю пожара, настаю опасна једињења као

резултат његовог распадања. То су:
Угљени оксиди (CO / CO2)

5.3. Савет за ватрогасце
Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса
Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину
Избегавајте испуштање у језера, потоке, канализације итд.
Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију
Користите песак, земљу, вермикулит, диатомејску земљу да бисте задржали и покупили незапалљиве упијаюће материјале и ставите у контејнер за одлагање, у складу са локалним прописима.
Чишћење се у мери у којој је то могуће обавља нормалним средствима за чишћење. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља
Погледајте поглавље 13 „Одлагање" у вези са поступком за отпад.
За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита".

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање
Пушење, и конзумирање хране и пића нису дозвољени у радном простору.
За информације о личној заштити погледајте поглавље „Контрола изложености и лична заштита".

7.2. ▼Услови за безбедно складиштење, укључујући некомпатибилности

Препоручени материјал за складиштење:
Чувати само у оригиналној амбалажи.

Услови складиштења:
Суво, хладно и добро проветравано

Некомпатибилни материјали:
Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

7.3. Посебни начини коришћења
Овај производ би требало користити само за примене наведене у поглављу 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености
На националној листи супстанци са ограниченјем у погледу изложености током рада није наведена ниједна супстанца.

DNEL
2-phenoxyethanol

Трајање:	**Пут експозиције:**	**DNEL:**
Дугорочно - Системски	Дерматолошки	10,42 mg/kg
Дугорочно - Системски - Потрошач	Дерматолошки	20,83 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	34.72 mg/kg/дан
Дугорочно - Локално - Радник	Инхалацијски	5,7 mg/m³
Дугорочно - Системски	Инхалацијски	2,41 mg/m³

Дугорочно - Системски - Радник	Инхалацијски	5,7 mg/m³
Дугорочно - Системски - Радник	Инхалацијски	8.07 mg/m³
Дугорочно	Орално	9,23 mg/kg

PNEC

2-phenoxyethanol

Пут експозиције:	**Траяние изложености:**	**PNEC:**
Морска вода		0.0943 mg/L
Постројењима за пречишћавање отпадних вода		24,8 mg/L
Постројењима за пречишћавање отпадних вода	Пойединачно	36 mg/L
Седимент мора		0,7237 mg/kg
Седимент слатке воде		7.2366 mg/kg
Слатка вода		0,943 mg/L
Тло		1,26 mg/kg

8.2. ▼Контрола изложености и лична заштита

Извршите општу контролу да бисте спречили непотребно излагање.

Опште препоруке:

Пушенйе, и конзумиранйе хране и пића нису дозволйени у радном простору.

Сценарийи излаганя:

За овай производ нису имплементирани сценарийи изложености.

Границе излаганя:

Границе изложености током рада нису дефинисане за супстанце у овом производу.

Одговарајући технички уређаји за управљање:

Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

▼*Хигийенске мере:*

Оперите руке након употребе.

Мере спречаваня контакта са животном средином:

Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:

Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	**Класа**	**Боя**	**Стандарди**	
Nema posebnih propisa kada se koristi kako je predvidjeno				

Заштита тела:

Препоручено	**Тип / Категорија**	**Стандарди**	
Nema posebnih propisa kada se koristi kako je predvidjeno	-	-	

Заштитне руке:

Радна ситуация	**Материјал**	**Дебљина рукавице**	**Време продирања (Минути)**	**Стандарда**	
У случају продуженог излагања или високе концентрације	Nema posebnih propisa kada se koristi kako je predvidjeno	-	-	-	

Радна ситуация	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	Nitril	0.35			

Заштита очију/лица:

Радна ситуация	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:
Течно

▼*Боју:*
Безбојно

Мирису / Прагу мириса (ppm):
Карактеристично

pH:
ca. 9.0

Релативна густина (g/cm³):
1,04 (20 °C)

Кинематичка вискозност:
Нема доступних података.

Карактеристике честица:
Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):
Нема доступних података.

Тачка/опсег омекшавања (°C):
Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):
Нема доступних података.

Напон паре:
Нема доступних података.

Релативна густина паре:
Нема доступних података.

Температура разлагања (°C):
Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):
Нема доступних података.

Тачка паљења (°C):
Нема доступних података.

Температура самопаљења (°C):

Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):
Нема доступних података.

Растворљивост

Растворљивост у вода:
У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):
Нема доступних података.

Растворлйивост у масти (g/L):
Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:
Нема доступних података.

Оксидујућа својства:
Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност
Нема доступних података.

10.2. Хемијска стабилност
Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција
Нема познатих.

10.4. Услови које треба избегавати
Нема познатих.

10.5. Некомпатибилни материјали
Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње
У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продукта распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 401
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	>5.000 mg/kg

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 402
Врсте:	Пацов
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Врсте:	Пацов
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2000 mg/kg

Хемијски назив	2-phenoxyethanol
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1840 mg/kg

Хемијски назив	2-phenoxyethanol
Врсте:	Зец
Пут експозиције:	Дерматолошки
Вредност:	>5000 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 404
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	2-phenoxyethanol
Вредност:	Установљени су негативни ефекти (Корозивно)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 404
Врсте:	Зец
Вредност:	Установљени су негативни ефекти (Слабо иритантан)

Хемијски назив	2-phenoxyethanol
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија
На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност
На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију
На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност
На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност
На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације
На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti
Нема познатих.

Угрожава рад ендокриних жлезда
Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информацийе
Нема познатих.

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 203
Врсте:	Рибе, Pimephales promelas
Тест:	LC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 202
Врсте:	Ракови, Daphnia magna
Тест:	EC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 201
Врсте:	Andere waterorganismen, Desmodesmus subspicatus
Тест:	EC50
Вредност:	>1-10 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 209
Врсте:	Pseudomonas putida
Окружење:	Постройенйе са активираним мулйем
Тест:	EC0
Вредност:	>100 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 210

Врсте:	Рибе
Тест:	NOEC
Вредност:	>0,1-1 mg/L

Хемијски назив	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Метод тестирања:	ОЕЦД 211
Врсте:	Ракови, Daphnia magna
Тест:	NOEC
Вредност:	>0,1-1 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 201
Врсте:	Алге
Окружење:	Слатка вода
Траянйе:	72 сати
Тест:	EC50
Вредност:	410 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 203
Врсте:	Рибе
Окружење:	Слатка вода
Траянйе:	96 сати
Тест:	LC50
Вредност:	2,9 mg/L

Хемијски назив	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Метод тестирања:	ОЕЦД 201
Врсте:	Алге
Окружење:	Слатка вода
Траянйе:	72 сати
Тест:	NOEC
Вредност:	4,9 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Рибе
Траянйе:	96 сати
Тест:	LC50
Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Алге
Траянйе:	72 сати
Тест:	ErC50
Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Daphnia magna
Траянйе:	48 сати
Тест:	EC50
Вредност:	>100 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Рибе
Тест:	NOEC
Вредност:	23 mg/L

Хемијски назив	2-phenoxyethanol
Врсте:	Andere waterorganismen
Траянйе:	30 minutes

Тест: EC50
Вредност: >1000 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Закључак: Лако биоразградива материја

Хемијски назив: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Закључак: Лако биоразградива материја

Хемијски назив: 2-phenoxyethanol
Вредност: >70
Закључак: Лако биоразградива материја
Тест: ОЕЦД 301 А

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детерџентима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерџената.

12.3. Потенцијал биоакумулације

Хемијски назив: 2-phenoxyethanol
BCF: 0.349
LogKow: 1.2
Закључак: -

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене

Ова смеша/производ не садржи супстанце за које се сматра да испуњаваю критеријуме да буду класификовани као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти

Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

13.1. Методе третмана отпада

Производ није обухваћен прописима о опасном отпаду.
Уредба комисије (ЕУ) бр. 1357/2014 од 18. децембра 2014. године коя заменюйе прилог ИИИ директиве 2008/98/ЕЗ Европског парламента и савета о отпаду.

Кôд европског каталога отпада (ЕWЦ):
20 01 30 детерџенти другачији од оних наведених у 20 01 29

Контаминиране амбалаже

Амбалажа коя садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информацийе

Нийе опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника

Није примењиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)

Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограниченя за примену:

Дозвољено само за професионално коришћење.

Захтеви за специфичним образованйем:

Нема посебних захтева.

"СЕВЕСО" - Категорија / Опасне материје:

Није примењиво.

Означаванйе садржая према ПРАВИЛНИК о детергентима:

>15% - <30%
· Нејонски сурфактанти
< 5%
· Амфотерни сурфактанти
· Анјонски сурфактанти
· Конзерванси (PHENOXYETHANOL)

Додатне информацийе:

Сурфактант(и) садржани у овом препарату йе(су) у складу са критериумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детерджентима. Подаци који поткреплюю ову тврдню стойе на располаганю надлежним властима држава чланица и биће им доступни на нйихов директни захтев или на захтев произвођача детерджената.

Извори:

ПРАВИЛНИК о детергентима ("Службени гласник РС", 25/2015)
ПРАВИЛНИК о категоријама, испитивању и класификацији отпада (Службени гласник РС, 56/10)
Правилник о класификацији, паковању, обележавању и оглашавању хемикалије и одређеног производа у складу са Глобално хармонизованим системом за класификацију и обележавање УН: 105/2013-16, 52/2017-73, 21/2019-208

15.2. Процена безбедности хемикалије.

Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фраза како йе наведено у поглавље 3

H302, Штетно ако се прогута.
H315, Изазива иритацију коже.
H318, Доводи до тешког оштећења ока.

H319, Доводи до јаке иритације ока.
H335, Може да изазове иритацију респираторних органа.
H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними

ADR = Европски споразум о међународном друмском превозу опасне робе
ATE = Процена акутне токсичности
BCF = Фактор биоконцентрације
CAS = Служба хемијских сажетака
CE = европска усаглашеност
CLP = Уредба о класификацији, означаваню и пакованю [Уредба (ЕЗ) бр. 1272/2008]
CSA = Процена хемијске безбедности
CSR = Извештај о хемијской безбедности
CTOT = Специфична цилјна токсичност органа
DMEL = Изведени минимални ниво ефекта
DNEL = Изведени ниво без ефекта
EINECS = Европски инвентар постојећих комерцијалних хемијских супстанци
ES = Сценарио изложености
EUH izjava = ЦЛП-специфична изява о опасности
EUPCS = Европски систем категоризације производа
EWЦ = Европски каталог отпада
GHS = Глобално усклађени систем класификације и обележаваня хемикалија
GWP (ГВП) = Потенцијал глобалног загревања
IARC = еђународна агенција за истраживанје рака
IATA = Међународно удруженје за ваздушни саобраћај
IBC = Среднји контејнер за расути терет
IMDG = Међународна поморска опасна роба
LogPow = Логаритам коефицијента раздваяня октанол/вода
MARPOL = Међународна конвенција о спречаваню загађеня са бродова из 1973. године, изменјена протоколом из 1978. („Marpol“ = загађење мора)
ОЕЦД = Организација за Економску Царадню и Дазвој
ПБТ = Истраян, биоакумулативан и токсичан
PNEC = Предвиђена концентрација без ефекта
RID = Прописи који се тичу међународног превоза опасне робе железницом
RRN = REACH регистрациони број
SCL = има одређену границу концентрације.
SVHC = Веома забриняваюће супстанце
STOT-RE = Специфична цилјна токсичност органа - понављана излаганя
STOT-SE = Специфична цилјна токсичност органа - појединачна излаганя
TWA = Временски пондерисан просек
UN = Ујединјене нације
UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали
VOC = Нестабилно органско јединјење
вПвБ = Веома трајно и врло биоакумулативно

▼Додатне информације

За овај производ није потребно безбедноснио упутство. Ово безбедносно упутство је резултат рада на доброволјной основи са цилјем да се релевантние информације учине доступним.
У складу с чланом 31. REACH-а, за овај производ није потребан безбедносно упутство. Овај безбедносни лист је резултат рада на доброволјной основи како би се релевантне информације учиниле доступним према захтевима из члана 32 РЕАЧ-а.

Безбедносни лист потврђује

Quality & Compliance

Остали подаци

Промена (сразмерно последњој суштинской промени (прва шифра у верзији СДС, погледајте поглавље 1)) обележена је троуглом.
Подаци у овом безбедносном упутству односе се само на овај одређени производ (поменут у поглављу 1) и нису нужно тачни за употребу са другим хемикалијама/производима.
Препоручује се да ово безбедносно упутство дате стварном кориснику производа. Информације у овом безбедносном упутству не могу се користити као спецификације производа.

Земља-језик: RS-sr

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for SAUDI ARABIA according to GHS

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
05/08/2025

SDS Version:
2.0

Date of previous version:
16/07/2025 (2.0)

1.4. Emergency telephone number

Contact the local emergency services.
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Warning

Hazard statement(s):
Causes mild skin irritation (H316)

Precautionary statement(s):

General:
-

Prevention:
-

Response:
If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm^3):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):
No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information
No data available.

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Additional information:
Not applicable.

Sources:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: SA-en

SÄKERHETSDATABLAD

i.2 kitchen cleaner FlexDose Ultra

AVSNITT 1: NAMNET PÅ ÄMNET/BLANDNINGEN OCH BOLAGET/FÖRETAGET

1.1. Produktbeteckning

Handelsnamn:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevanta identifierade användningar av ämnet eller blandningen och användningar som det avråds från

Relevanta identifierade användningar av ämnet eller blandningen:
Tvätt- och rengöringsmedel (inklusive lösningsmedelsbaserade)
Endast för yrkesmässigt bruk.

Användningar som det avråds från :
Inga kända.

1.3. Närmare upplysningar om den som tillhandahåller säkerhetsdatabladet

Företagsuppgifter:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:
info@hygeniq.com

Omarbetad:
2025-08-05

SDB Version:
2.0

Datum för tidigare utgåva:
2025-07-16 (2.0)

1.4. Telefonnummer för nödsituationer

Akut: Ring 112, begär giftinformation. Öppet dygnet runt.
Mindre akut: Ring 010-456 6700. Öppet dygnet runt.
Se avsnitt 4 om åtgärder vid första hjälpen.

AVSNITT 2: FARLIGA EGENSKAPER

2.1. Klassificering av ämnet eller blandningen

Inte klassificerad enligt förordningen (EG) nr 1272/2008 (CLP).

2.2. Märkningsuppgifter

Faropiktogram:
Ej tillämpligt.

Signalord:
Ej tillämpligt.

Faroangivelser:
Ej tillämpligt.

Skyddsangivelser:

Allmänt:
-

Förebyggande:
-

Åtgärder:
-

Förvaring:
-

Avfall:
-

Innehåller:
Innehåller inga anmälningspliktiga ämnen

▼*Annan märkning:*
EUH210, Säkerhetsdatablad finns att rekvirera.
Ej tillämpligt.

Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel (gäller förpackningar av tvättmedel som säljs till allmänheten):

>15% - <30%
· Nonjontensider
< 5%
· Amfotära tensider
· Anjoniska tensider
· Konserveringsmedel (PHENOXYETHANOL)

2.3. Andra faror

Annat:
Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.
Produkten innehåller inga ämnen som bedömts vara hormonstörande enligt kriterierna i Kommissionens delegerade förordning (EU) 2017/2100 eller Kommissionens förordning (EU) 2023/707.

AVSNITT 3: SAMMANSÄTTNING/INFORMATION OM BESTÅNDSDELAR

3.1. Ämnen
Ej tillämpligt. Denna produkt är en blandning.

3.2. Blandningar

Produkt/Ämne	Identifierare	% w/w	Klassificering	Anm.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS-nr.: 147170-44-3 EG-nr.: 604-575-4 REACH: Indexnr.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS-nr.: 85536-23-8 EG-nr.: REACH: 01-2119565130-50-0000 Indexnr.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoxietanol;fenylglykol	CAS-nr.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	EG-nr.: 204-589-7 REACH: 01-2119488943-21 Indexnr.: 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Fullständig ordalydelse av H-fraserna finns i avsnitt 16. Arbetshygieniska gränsvärden finns i avsnitt 8 - om de är tillgängliga.

Annan information

[19] UVCB = Ämnen med okänd eller varierande sammansättning, komplexa reaktionsprodukter eller biologiskt material.

AVSNITT 4: ÅTGÄRDER VID FÖRSTA HJÄLPEN

4.1. Beskrivning av åtgärder vid första hjälpen

Allmänt:

Vid olycka: Kontakta läkare eller akutmottagning - ta med etiketten eller detta säkerhetsdatablad.
Vid bestående symptom eller om det råder tveksamheter om den påverkades tillstånd skall läkarhjälp sökas. Ge aldrig en medvetslös person vatten eller liknande.

▼*Inandning:*

Vid obehag: Säkerställ för att personen får frisk luft.

Hudkontakt:

Vid irritation: Tvätta av produkten. Vid ihållande irritation: Kontakta läkare.

▼*Kontakt med ögonen:*

Skölj försiktigt med ljummet vatten. Ta ur eventuella kontaktlinser om det går lätt. Fortsätt att skölja. Vid bestående ögonirritation: Sök läkarhjälp.

▼*Förtäring:*

Skölj munnen noga och drick rikligt med vatten. Vid ihållande obehag: kontakta läkare och visa detta säkerhetsdatablad.

Brännskada:

Ej tillämpligt.

4.2. De viktigaste symptomen och effekterna, både akuta och fördröjda

Inga kända.

4.3. Angivande av omedelbar medicinsk behandling och särskild behandling som eventuellt krävs

Behandla symptomatiskt.

Information till läkare

Medtag detta säkerhetsdatablad eller etiketten från produkten.

AVSNITT 5: BRANDBEKÄMPNINGSÅTGÄRDER

5.1. Släckmedel

Ej tillämpligt.

5.2. Särskilda faror som ämnet eller blandningen kan medföra

Vid brand utvecklas tät rök. Att utsättas för nedbrytningsprodukter kan utgöra hälsofara. Slutna behållare som utsätts för eld avkyls med vatten. Låt ej vatten från brandsläckning rinna ut i kloak och vattendrag.
Om produkten utsätts för höga temperaturen, t.ex. i händelse av brand, kan farliga nedbrytningsprodukter bildas.
Dessa är:
Koloxider (CO / CO2)

5.3. Råd till brandbekämpningspersonal

Inga särskilda krav.

AVSNITT 6: ÅTGÄRDER VID OAVSIKTLIGA UTSLÄPP

6.1. Personliga skyddsåtgärder, skyddsutrustning och åtgärder vid nödsituationer
Se till att ventilationen är tillräcklig, särskilt i slutna utrymmen.
Förorenade områden kan vara hala.

6.2. Miljöskyddsåtgärder
Undvik utsläpp i sjöar, åar, kloaker etc.
Håll obehöriga personer på avstånd från spillet

6.3. Metoder och material för inneslutning och sanering
Spill begränsas och samlas upp med icke-brännbart absorberande material, t.ex. sand, jord, vemikulit, kiselgur och placeras i behållare och bortskaffas i överensstämmelse med gällande regler.
Rengöring utförs så långt som möjligt med rengöringsmedel. Lösningsmedel bör undvikas.

6.4. Hänvisning till andra avsnitt
Se avsnitt 13 "Avfallshantering".
Se avsnitt 8 "Begränsning av exponeringen/personligt skydd" om personligt skydd.

AVSNITT 7: HANTERING OCH LAGRING

7.1. Skyddsåtgärder för säker hantering
Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.
Se avsnitt 8 om personligt skydd.

7.2. ▼Förhållanden för säker lagring, inklusive eventuell oförenlighet

Kompatibla förpackningar:
Förvaras endast i originalförpackningen.

Förvaringsförhållanden:
Torrt, svalt och väl ventilerat

Oförenliga material:
Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

7.3. Specifik slutanvändning
Denna produkt bör endast användas för de användningar som beskrivs i avsnitt 1.2.

AVSNITT 8: BEGRÄNSNING AV EXPONERINGEN/PERSONLIGT SKYDD

8.1. Kontrollparametrar
2,2',2''-nitrilotriethanol
Korttidsgränsvärde (15 minuter) (ppm): 1,6
Korttidsgränsvärde (15 minuter) (mg/m^3): 10
Nivågränsvärde (8 timmar) (ppm): 0,8
Nivågränsvärde (8 timmar) (mg/m^3): 5
Anmärkningar:
H = Ämnet kan lätt upptas genom huden.
V = Vägledande korttidsgränsvärde.

Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön

DNEL
2-fenoxietanol;fenylglykol

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter	Hud	10,42 mg/kg
Långvarig – Systemiska effekter - Allmän befolkning	Hud	20,83 mg/kg

Långvarig – Systemiska effekter - Arbetare	Hud	34.72 mg/kg bw/day
Långvarig – Lokala effekter - Arbetare	Inandning	5,7 mg/m³
Långvarig – Systemiska effekter	Inandning	2,41 mg/m³
Långvarig – Systemiska effekter - Arbetare	Inandning	5,7 mg/m³
Långvarig – Systemiska effekter - Arbetare	Inandning	8.07 mg/m³
Långvarig	Oralt	9,23 mg/kg

2,2',2''-nitrilotriethanol

Varaktighet:	**Exponeringsväg:**	**DNEL:**
Långvarig – Systemiska effekter - Allmän befolkning	Hud	3.1 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	6.3 mg/kg bw/day
Långvarig – Lokala effekter - Arbetare	Inandning	1,25 mg/m³
Långvarig – Lokala effekter - Arbetare	Inandning	5 mg/m³
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.25 mg/m³
Långvarig – Systemiska effekter - Arbetare	Inandning	5 mg/m³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	3.1 mg/kg bw/day

PNEC

2-fenoxietanol;fenylglykol

Exponeringsväg:	**Exponeringens varaktighet:**	**PNEC:**
Avloppsreningsverk		24,8 mg/L
Avloppsreningsverk	Enstaka	36 mg/L
Havsvatten		0.0943 mg/L
Havsvatten sediment		0,7237 mg/kg
Jord		1,26 mg/kg
Sötvatten		0,943 mg/L
Sötvattenssediment		7.2366 mg/kg

2,2',2''-nitrilotriethanol

Exponeringsväg:	**Exponeringens varaktighet:**	**PNEC:**
Avloppsreningsverk		10 mg/L
Havsvatten		32 µg/L
Havsvatten sediment		170 µg/kg
Jord		151 µg/kg
Sötvatten		320 µg/L
Sötvattenssediment		1.7 mg/kg
Sporadiska utsläpp (sötvatten)		5.12 mg/L

8.2. ▼Begränsning av exponeringen

Efterlevnad av hygieniska gränsvärden bör kontrolleras regelbundet.

Generellt:

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Exponeringsscenarier:

Det finns inga implementerade exponeringsscenarier för denna produkt.

Exponeringsgräns:

Yrkesmässiga användare omfattas av arbetsmiljölagstiftningens regler om maxkoncentrationer vid exponering. Se de arbetshygieniska gränsvärdena ovan.

Tekniska åtgärder:

Ångbildning måste hållas på ett minimum och under nuvarande gränsvärden (se ovan). Installation av ett lokalt punktutsug rekommenderas om normalt luftflöde i arbetsrummet inte är tillräckligt. Se till att ögonsköljning och nöddusch är tydligt markerade.
Tillämpa standardföreskrifter vid användning av produkten. Undvik inandning av ångor.

▼*Hygieniska åtgärder:*
Tvätta händerna efter användning.

Begränsning av miljöexponering:
Inga särskilda krav.

Individuella skyddsåtgärder

Allmänt:
Använd endast CE-märkt skyddsutrustning.

Andningsskydd:

Typ	Klass	Färg	Standarder	
Inga särskilda vid normal och avsedd användning.				

Hudskydd:

Rekommenderad	Typ/Kategori	Standarder	
Inga särskilda vid normal och avsedd användning.	-	-	

Handskydd:

Arbetssituation	Handskmaterial	Handsktjocklek (mm)	Genombrottstid (min.)	Standarder	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Inga särskilda vid normal och avsedd användning	-	-	-	
	Nitril	0.35			

Ögonskydd:

Arbetssituation	Typ	Standarder	
	Inga särskilda vid normal och avsedd användning.	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Använd skyddsglasögon med sidoskköld.	EN166	

AVSNITT 9: FYSIKALISKA OCH KEMISKA EGENSKAPER

9.1. Information om grundläggande fysikaliska och kemiska egenskaper

Fysikaliskt tillstånd:
Vätska

▼*Färg:*
Färglös

Lukt / Lukttröskel (ppm):
Karakteristisk

pH:
ca. 9.0

Densitet (g/cm³):
1,04 (20 °C)

Kinematisk viskositet:
Ingen data tillgänglig.

Partikelegenskaper:
Gäller inte för vätskor.

Fas förändringar

Smältpunkt/fryspunkt (°C):
Ingen data tillgänglig.

Mjukpunkt/mjukpunktsintervall (°C):
Gäller inte för vätskor.

Kokpunkt (°C):
Ingen data tillgänglig.

Ångtryck:
Ingen data tillgänglig.

Relativ ångdensitet:
Ingen data tillgänglig.

Sönderdelningstemperatur (°C):
Ingen data tillgänglig.

Data om brand- och explosionsrisker

Flampunkt (°C):
Ingen data tillgänglig.

Brandfarlighet (°C):
Ingen data tillgänglig.

Självantändningstemperatur (°C):
Ingen data tillgänglig.

Explosionsgränser (% v/v):
Ingen data tillgänglig.

Löslighet

Löslighet i vatten:
Fullt lösligt

n-oktanol/vatten koefficient (LogKow):
Ingen data tillgänglig.

Löslighet i fett (g/L):
Ingen data tillgänglig.

9.2. Annan information

Andra fysikaliska och kemiska parametrar:
Ingen data tillgänglig.

Oxiderande egenskaper:
Ingen data tillgänglig.

AVSNITT 10: STABILITET OCH REAKTIVITET

10.1. Reaktivitet
Ingen data tillgänglig.

10.2. Kemisk stabilitet
Produkten är stabil under de förhållanden som anges i avsnitt 7 (Hantering och lagring).

10.3. Risken för farliga reaktioner
Inga kända.

10.4. Förhållanden som ska undvikas
Inga kända.

10.5. Oförenliga material
Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

10.6. Farliga sönderdelningsprodukter
Under normala förvarings- och användningsförhållanden bör det inte skapas farliga nedbrytningsprodukter.

AVSNITT 11: TOXIKOLOGISK INFORMATION

11.1. Information om faroklasser enligt förordning (EG) nr 1272/2008

Akut toxicitet

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 401
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	>5.000 mg/kg

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 402
Art:	Råtta
Exponeringsväg:	Hud
Test:	LD50
Resultat:	>2.000 mg/kg

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Råtta
Exponeringsväg:	Hud
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Art:	Råtta
Exponeringsväg:	Hud
Test:	LD50
Resultat:	>2000 mg/kg

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	1840 mg/kg

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Kanin
Exponeringsväg:	Hud
Resultat:	>5000 mg/kg

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Frätande/irriterande på huden

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Testmetod:	OECD 404
Art:	Marsvin
Resultat:	Akuta effekter har observerats (Irriterande)

Produkt/Ämne	2-fenoxietanol;fenylglykol
Resultat:	Akuta effekter har observerats (Frätande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Allvarlig ögonskada/ögonirritation

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Resultat:	Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 404
Art:	Kanin
Resultat:	Akuta effekter har observerats (Lätt irriterande)

Produkt/Ämne	2-fenoxietanol;fenylglykol
Resultat:	Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Luftvägssensibilisering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Hudsensibilisering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Mutagenitet i könsceller

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Cancerogenitet

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Reproduktionstoxicitet

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – enstaka exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – upprepad exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Fara vid aspiration

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

11.2. Information om andra faror

Långsiktiga effekter

Inga kända.

Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha hormonstörande egenskaper med avseende på hälsan.

Annan information

2,2',2''-nitrilotriethanol: Substansen har klassificerats i grupp 3 av IARC.

AVSNITT 12: EKOLOGISK INFORMATION

12.1. Toxicitet

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 203
Art:	Fisk, Pimephales promelas

Test:	LC50
Resultat:	>1-10 mg/L

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 202
Art:	Kräftdjur, Daphnia magna
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 201
Art:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Resultat:	>1-10 mg/L

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 209
Art:	Pseudomonas putida
Del av miljön:	Aktiv slamanläggning
Test:	EC0
Resultat:	>100 mg/L

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 210
Art:	Fisk
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testmetod:	OECD 211
Art:	Kräftdjur, Daphnia magna
Test:	NOEC
Resultat:	>0,1-1 mg/L

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetod:	OECD 201
Art:	Alger
Del av miljön:	Sötvatten
Varaktighet:	72 timmar
Test:	EC50
Resultat:	410 mg/L

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetod:	OECD 203
Art:	Fisk
Del av miljön:	Sötvatten
Varaktighet:	96 timmar
Test:	LC50
Resultat:	2,9 mg/L

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testmetod:	OECD 201
Art:	Alger
Del av miljön:	Sötvatten
Varaktighet:	72 timmar
Test:	NOEC

Resultat:	4,9 mg/L

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Fisk
Varaktighet:	96 timmar
Test:	LC50
Resultat:	>100 mg/L

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Alger
Varaktighet:	72 timmar
Test:	ErC50
Resultat:	>100 mg/L

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Daphnia magna
Varaktighet:	48 timmar
Test:	EC50
Resultat:	>100 mg/L

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Fisk
Test:	NOEC
Resultat:	23 mg/L

Produkt/Ämne	2-fenoxietanol;fenylglykol
Art:	Andere waterorganismen
Varaktighet:	30 minutes
Test:	EC50
Resultat:	>1000 mg/L

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

12.2. Persistens och nedbrytbarhet

Produkt/Ämne	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Slutsats:	Lätt biologiskt nedbrytbar

Produkt/Ämne	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Slutsats:	Lätt biologiskt nedbrytbar

Produkt/Ämne	2-fenoxietanol;fenylglykol
Resultat:	>70
Slutsats:	Lätt biologiskt nedbrytbar
Test:	OECD 301 A

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

12.3. Bioackumuleringsförmåga

Produkt/Ämne	2-fenoxietanol;fenylglykol
BCF:	0.349
LogKow:	1.2
Slutsats:	-

12.4. Rörlighet i jord

Ingen data tillgänglig.

12.5. Resultat av PBT- och vPvB-bedömningen

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller

vPvB-ämnen.

12.6. Hormonstörande egenskaper
Denna blandning/produkt innehåller inga ämnen som anses ha endokrinstörande egenskaper i förhållande till miljön.

12.7. Andra skadliga effekter
Inga kända.

AVSNITT 13: AVFALLSHANTERING

13.1. Avfallsbehandlingsmetoder
Produkten omfattas ej av reglerna om farligt avfall.
Avfallsförordning (SFS 2020:614).

EWC-kod:
20 01 30 Andra rengöringsmedel än de som anges i 20 01 29

Förorenad förpackning
Avfallskategorin är vägledande och beror på vilket sätt avfallet har blivit till. Förpackningar med restinnehåll av produkten skall kasseras på samma sätt som produkten.

AVSNITT 14: TRANSPORTINFORMATION

	14.1 UN	14.2 Officiell transportbenämning	14.3 Faroklass för transport	14.4 PG*	14.5 Env**	Annan information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Förpackningsgrupp

** Miljöfaror

Annat
Ej farligt gods i enlighet med ADR, IATA och IMDG.

14.6. Särskilda skyddsåtgärder
Ej tillämpligt.

14.7. Bulktransport till sjöss enligt IMO:s instrument
Ingen data tillgänglig.

AVSNITT 15: GÄLLANDE FÖRESKRIFTER

15.1. Föreskrifter/lagstiftning om ämnet eller blandningen när det gäller säkerhet, hälsa och miljö

Användningsrestriktioner:
Endast för yrkesmässigt bruk.

Krav på särskild utbildning:
Inga särskilda krav.

SEVESO - Farokategorier / Farliga ämnen:
Ej tillämpligt.

Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel:

>15% - <30%
· Nonjontensider
< 5%
· Amfotära tensider
· Anjoniska tensider

· Konserveringsmedel (PHENOXYETHANOL)

Annat:

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

Källor:

Europaparlamentets och rådets förordning (EG) nr 648/2004 av den 31 mars 2004 om tvätt- och rengöringsmedel.
Avfallsförordning (SFS 2020:614).
Europaparlamentets och rådets förordning (EG) nr 1272/2008 av den 16 december 2008 om klassificering, märkning och förpackning av ämnen och blandningar (CLP).
Europaparlamentets och rådets förordning (EG) nr 1907/2006 av den 18. december 2006 om registrering, utvärdering, godkännande och begränsning av kemikalier (REACH).

15.2. Kemikaliesäkerhetsbedömning

Nej

AVSNITT 16: ANNAN INFORMATION

Ordalydelse för H-fraser som anges i avsnitt 3

H302, Skadligt vid förtäring.
H315, Irriterar huden.
H318, Orsakar allvarliga ögonskador.
H319, Orsakar allvarlig ögonirritation.
H335, Kan orsaka irritation i luftvägarna.
H412, Skadliga långtidseffekter för vattenlevande organismer.

Förkortningar och akronymer

ADR = Europeisk överenskommelse om transport av farligt gods på väg
ATE = Uppskattad akut toxicitet
BCF = Biokoncentrationsfaktor
CAS = Registeringsnummer som tilldelats av Chemical Abstract Services
CE = Conformité Européenne (I överensstämmelse med EU-direktiven)
CLP = Europaparlamentets och rådets förordning (EG) 1272/2009 (CLP) om klassificering, märkning och förpackning av ämnen och blandningar
CSA = Kemikaliesäkerhetsbedömning
CSR = Kemikaliesäkerhetsrapport
DNEL = Härledd noll-effekt nivå (Derived No Effect Level)
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exponeringsscenario
EUH-faroangivelser = kompletterande faroangivelser enligt CLP
EuPCS = Det europeiska produktkategoriseringssystemet
EWC = Europeiska avfallskatalogen
GHS = Globalt harmoniserat system för klassificering och märkning av kemiska ämnen och beredningar
GWP = Potential att bidra till växthuseffekten
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logaritmen av fördelningskoefficienten oktanol/vatten
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistenta, bioackumulerande och toxiska
PNEC = Koncentration som sannolikt inte förorsakar negativ effekt
REACH = Registrering, utvärdering, godkännande och begränsning av kemikalier (Förordning (EG) nr 1907/2006)
RRN = REACH registreringsnummer
SCL = Specifik koncentrationsbegränsning.
STOT-RE = Toxicitet för specifikt målorgan - upprepad exponering
STOT-SE = Toxicitet för specifikt målorgan - enstaka exponering
SVHC = Särskilt farliga ämnen

UVBC = Ämnen med okänd eller varierande sammansättning, komplexa reaktionsprodukter eller biologiskt material.
UN = Förenta Nationerna
VOC = Flyktiga organiska ämnen
vPvB = Mycket persistenta och mycket bioackumulerande

Annat

Ej tillämpligt.

Säkerhetsdatabladet är validerat av

Quality & Compliance

Annat

Modifierad data i jämförelse med tidigare utgåva är märkt med en trekant (Första siffran i SDB version).
Upplysningarna i detta säkerhetsdatablad är baserat på vår nuvarande kunskap. Informationen på säkerhetsdatabladen bygger på bästa tillgängliga data och gäller vid produktens avsedda hantering. Detta säkerhetsdatablad avser endast denna produkt och är eventuellt inte tillämpligt om produkten används som ingrediens i annan produkt. Användes produkten på annat sätt eller i annan applikation än den som produkten ursprungligen utvecklats för, eller rekommenderats till, sker detta helt under användarens ansvar. Avsikten med detta säkerhetsdatablad är att beskriva säkerhetskraven för produkten. Det får inte uppfattas som en garanti för produktens egenskaper och informationerna kan inte ersätta ett produktdatablad.
Det rekommenderas att detta säkerhetsdatablad lämnas till den faktiska användaren av produkten.
Land-språk: SE-sv

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
5/8/2025

SDS Version:
2.0

Date of previous version:
16/7/2025 (2.0)

Emergency telephone number
In an emergency call 995
In less severe situations call the Drugs & Poison Hotline: 6423 9119
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to SS 586-2:2022.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:
-

Prevention:
-

Response:
-

Storage:
-

Disposal:
-

Hazardous substances:
Does not contain any substances required to report

Additional labelling:
Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %)	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.:	1-3%	Skin Irrit. 2, H315	
2-phenoxyethanol	CAS No.: 122-99-6 EC No.: 204-589-7	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:
In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

Most important symptoms and effects, both acute and delayed
None known.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media
Not applicable.

Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No substances are listed in the Workplace Safety and Health Act with a permissible exposure limit.

Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only protective equipment with a recognized certification mark, e.g. the S-Mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:
Liquid

▼*Colour:*
Colourless

Odour:
Characteristic

Odour threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):
No data available.

Softening point/range (°C):
Does not apply to liquids.

Boiling point (°C):
No data available.

Vapour pressure:
No data available.

Relative vapour density:
No data available.

Decomposition temperature (°C):
No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):
No data available.

Auto-ignition temperature (°C):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

Possibility of hazardous reactions
None known.

Conditions to avoid
None known.

Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal

Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs.,

	inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

Bioaccumulative potential

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:
Restricted to professional users.

Demands for specific education:
No specific requirements.

Major hazard installation:
Not applicable.

Additional information:
Not applicable.

Sources:
Employment Act 1968 (2020 Rev. Ed.)
Environmental Protection and Management Act 1999 (2020 Rev. Ed.)
Environmental Protection and Management Act (Chapter 94a, Section 77), Environmental Protection and Management (Hazardous Substances) Regulations (No. S 159/1999)
Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019) as specified by SS 586-2 and SS 586-3:2022.

Chemical safety assessment
No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3
H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PEL = Permissible Exposure Level
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
SS = Singapore Standard
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

A safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: SG-en

VARNOSTNI LIST

i.2 kitchen cleaner FlexDose Ultra

ODDELEK 1: IDENTIFIKACIJA SNOVI/ZMESI IN DRUŽBE/PODJETJA

1.1. Identifikator izdelka

Trgovsko ime:
i.2 kitchen cleaner FlexDose Ultra

1.2. Pomembne identificirane uporabe snovi ali zmesi in odsvetovane uporabe

Pomembne identificirane uporabe snovi ali zmesi:
Detergenti in čistilna sredstva (vključno s tistimi na osnovi topil)
Samo za poklicne uporabnike.

Odsvetovane uporabe:
Ni znano.

1.3. Podrobnosti o dobavitelju varnostnega lista

Podjetje in naslov podjetja:
Hygeniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-pošta:
info@hygeniq.com

Sprememba:
5. 08. 2025

Različica SDS:
2.0

Datum prejšnje izdaje:
16. 07. 2025 (2.0)

1.4. Telefonska številka za nujne primere

112
Glejte oddelek 4 "Ukrepi za prvo pomoč

ODDELEK 2: DOLOČITEV NEVARNOSTI

2.1. Razvrstitev snovi ali zmesi

Ni klasificirano v skladu z Uredbo (ES) št. 1272/2008 (CLP).

2.2. Elementi etikete

Piktogram(i) za nevarnost:
Se ne uporablja.

Opozorilna beseda:
Se ne uporablja.

Stavki o nevarnosti:
Se ne uporablja.

Previdnostni stavki:

Splošno:
-

Preprečevanje:
-

Odgovor:
-

Shramba:
-

Odstranjevanje:
-

Identiteta snovi, ki so primarno odgovorne za vecja zdravstvena tveganja:
Ne vsebuje snovi, ki so potrebne za poročanje

▼*Dodatno označevanje:*
EUH210, Varnosti list na voljo na zahtevo.
Se ne uporablja.

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004 (velja za embalažo detergentov, ki se prodajajo širši javnosti):

>15% - <30%
· Neionske površinsko aktivne snovi
< 5%
· Amfoterne površinsko aktivne snovi
· Anionske površinsko aktivne snovi
· Konzervansu (PHENOXYETHANOL)

2.3. Druge nevarnosti

Dodatna opozorila:
Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.
Ta proizvod ne vsebuje nobenih snovi, za katere se šteje, da so endokrini motilci v skladu z merili, določenimi v Delegirani uredbi Komisije (EU) 2017/2100 ali Uredbi Komisije (EU) 2023/707.

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH

3.1. Snovi
Se ne uporablja. Ta proizvod je mešanica.

3.2. Zmesi

Izdelek/sestavina	Identifikatorji	% w/w	Razvrstitev	Opombe
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	Št. CAS: 147170-44-3 Št. ES: 604-575-4 REACH: Indeksna št.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Št. CAS: 85536-23-8 Št. ES: REACH: 01-2119565130-50-0000 Indeksna št.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-fenoksietanol	Št. CAS: 122-99-6 Št. ES: 204-589-7 REACH: 01-2119488943-21	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318	

	Indeksna št.: 603-098-00-9		STOT SE 3, H335	

Poglejte celotno besedilo o H-stavkih v oddelek 16. Mejne vrednosti poklicne izpostavljenosti so naštete v oddelek 8, če so na voljo.

Druge informacije
[19] UVCB = Pomeni snovi z neznano ali spremenljivo sestavo, kompleksne reakcijske produkte ali biološke materiale.

ODDELEK 4: UKREPI ZA PRVO POMOČ

4.1. Opis ukrepov za prvo pomoč

Splošne informacije:
V primeru nesreče: Stopite v stik z zdravnikom ali urgenco - vzemite nalepko ali ta varnostni list s sabo. Posvetujte z zdravnikom, če ste v dvomih o stanju poškodovanca ali če simptomi ne izginejo. Nikoli ne dajajte nezavestni osebi vode ali podobno.

▼*Vdihavanje:*
V primeru nelagodja: pospremite osebo na svež zrak.

Stik s kožo:
V primeru draženja: splahnite izdelek. V primeru ponavljajočega draženja: Poiščite zdravniško pomoč.

▼*Stik z očmi:*
Rahlo izperite s toplo vodo. Če to lahko zlahka storite, odstranite kontaktne leče. Nadaljujte z izpiranjem. V primeru vztrajnega draženja oči ali neugodja: poiščite zdravniško pomoč.

▼*Zaužitje:*
Temeljito sperite usta in pijte velike količine vode. V primeru nadaljevanja neugodja: poiščite zdravniško pomoč in vzamite ta varnostni list s seboj.

Opekline:
Se ne uporablja.

4.2. Najpomembnejši simptomi in učinki, akutni in zapozneli
Ni znano.

4.3. Navedba kakršne koli takojšnje medicinske oskrbe in posebnega zdravljenja
Zdravite simptomatsko.

Navodila medicinskemu osebju
Prinesite ta varnostnega lista ali etiketo z materiala.

ODDELEK 5: PROTIPOŽARNI UKREPI

5.1. Sredstva za gašenje
Se ne uporablja.

5.2. Posebne nevarnosti v zvezi s snovjo ali zmesjo
Ob izbruhu ognja pride do gostega dima. Izpostavljenost katabolničnim izdelkom lahko škoduje vašemu zdravju.
Zaprte posode, ki so izpostavljene ognju, je treba ohladiti z vodo. Preprečite, da bi voda, s katero je bil gašen požar, iztekala v kanalizacijo in druge vodotoke.
Če je izdelek izpostavljen visokim temperaturam, kot v primeru požara, se proizvedejo nevarne katabolne snovi. To so: Ogljikovi oksidi (CO / CO2)

5.3. Nasvet za gasilce
Ni posebnih zahtev.

ODDELEK 6: UKREPI OB NENAMERNIH IZPUSTIH

6.1. Osebni varnostni ukrepi, zaščitna oprema in postopki v sili
Zagotovite ustrezno prezračevanje, predvsem v zaprtih prostorih.
Kontaminirana območja so lahko spolzka.

6.2. Okoljevarstveni ukrepi
Izogibajte se izpustom v jezera, potoke, kanalizacijo, itd.
Nepooblaščene osebe naj se ne približujejo razlitju

6.3. Metode in materiali za zadrževanje in čiščenje
Razlitje omejite in zberite z nevnetljivim, vpojnim materialom, npr. peskom, zemljo, vermikulitom ali diatomejsko zemljo, in dajte v posodo za odlaganje v skladu z lokalnimi predpisi.
Počistiti je potrebno v največji možni meri, z uporabo običajnih čistil. Izogibati se je potrebno topilom.

6.4. Sklicevanje na druge oddelke
Glejte oddelek 13 "Odstranjevanje" za ravnanje z odpadki.
Za zaščitne ukrepe glejte oddelek 8 "Nadzor izpostavljenosti/osebna zaščita".

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE

7.1. Varnostni ukrepi za varno ravnanje
V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.
Glejte oddelek "Nadzor izpostavljenosti/osebna zaščita" za informacije glede osebne zaščite.

7.2. ▼Pogoji za varno skladiščenje, vključno z nezdružljivostjo

Združljivostjo embalaže:
Hraniti samo v originalni embalaži.

Pogji skladiščenja:
Suho, hladno in dobro prezračeno

Nezdružljivi materiali:
Močne kisline, močne baze, močni oksidanti in močni reducenti.

7.3. Posebne končne uporabe
Ta izdelek se sme uporabljati le za uporabe, opisane v oddelek 1.2.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA

8.1. Parametri nadzora
2-fenoksietanol
Kratkotrajna vrednost (15 min) (KTV) (ppm): 1
Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 5,7
Mejne vrednosti (8 ur) (MV) (ppm): 1
Mejne vrednosti (8 ur) (MV) (mg/m³): 5,7
Opombe:
Y = Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in BAT-vrednosti.

1602. Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu, stran 4251.

DNEL
2-fenoksietanol

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki	Dermalno	10,42 mg/kg
Dolgoročno - sistemski učinki - delavci	Dermalno	34.72 mg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	20,83 mg/kg
Dolgoročno - lokalni učinki - delavci	Inhalacija	5,7 mg/m³
Dolgoročno - sistemski učinki	Inhalacija	2,41 mg/m³

Dolgoročno - sistemski učinki - delavci	Inhalacija	5,7 mg/m³
Dolgoročno - sistemski učinki - delavci	Inhalacija	8.07 mg/m³
Dolgoročno	Oralno	9,23 mg/kg

PNEC

2-fenoksietanol

Način izpostavljenosti:	**Trajanje izpostavljenosti:**	**PNEC:**
Morska usedlina		0,7237 mg/kg
Morska voda		0.0943 mg/L
Naprava za čiščenje odplak		24,8 mg/L
Naprava za čiščenje odplak	Enkratno	36 mg/L
Sladka voda		0,943 mg/L
Sladkovona usedlina		7.2366 mg/kg
Tla		1,26 mg/kg

8.2. ▼Nadzor izpostavljenosti

Skladnost z navedenimi vrednostmi omejitev ob izpostavljenosti, je treba redno preverjati.

Splošna priporočila:

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.

Scenariji izpostavljenosti:

Za ta izdelek ni scenarijev izpostavljenosti.

Omejitve izpostavljenosti:

Trgovci so zajeti v pravilih zakonodaje delovnega okolja glede najvišjih dovoljenih koncentracij izpostavljenosti. Zgoraj si oglejte mejne vrednosti delovne higiene.

Primerni tehnični ukrepi:

Nastajanje pare naj bo minimalno in pod vrednostmi trenutne omejitve (glejte zgoraj.). Če v delovnem prostoru ni zadostnega normalnega zračnega pretoka, je priporočena namestitev lokalnega izpušnega sistema. Prepričajte se, da so zasilne enote za izpiranje oči in prhe jasno označene.
Med uporabo izdelka upoštevajte varnostne ukrepe. Izogibajte se vdihavanju hlapov.

▼*Higienski ukrepi:*

Po uporabi si umijte roke.

Ukrepi, da se prepreči okoljska izpostavljenost:

Ni posebnih zahtev.

Posamezni varnostni ukrepi, kot na primer osebna zaščitna oprema

Na splošno:

Uporabljajte samo zaščitno opremo z oznako CE.

Dihalna oprema:

Tip	**Razred**	**Barva**	**Standarde**	
Brez posebnosti, ko je v nameravani uporabi.				

Zaščita kože:

Priporočeno	**Tipa/Kategorije**	**Standarde**	
Brez posebnosti, ko je v nameravani uporabi	-	-	

Zaščita za roke:

Okoliščine na delovnem mestu	**Material**	**Debelina rokavice (mm)**	**Čas prodiranja (min.)**	**Standarde**	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Brez posebnosti, ko je v nameravani uporabi	-	-	-	

Okoliščine na delovnem mestu	Material	Debelina rokavice (mm)	Čas prodiranja (min.)	Standarde	
	Nitril	0.35			

Zaščita za oči:

Okoliščine na delovnem mestu	Tip	Standarde	
	Brez posebnosti, ko je v nameravani uporabi.	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Nosite varnostna očala s stranskimi ščitniki.	EN166	

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI

9.1. Podatki o osnovnih fizikalnih in kemijskih lastnostih

Oblika:
Tekoč

▼*Barva:*
Brezbarven

Vonj / Mejne vrednosti vonja (ppm):
Značilen

pH:
ca. 9.0

Gostota (g/cm³):
1,04 (20 °C)

Kinematična viskoznost:
Podatki niso na voljo.

Lastnosti delcev:
Se ne uporablja za tekočine.

Spremembe faz

Tališče/ledišče (°C):
Podatki niso na voljo.

Zmehčišče (voskih in pastah) (°C):
Se ne uporablja za tekočine.

Vreliščna točka (°C):
Podatki niso na voljo.

Pritisk pare:
Podatki niso na voljo.

Relativna parna gostota:
Podatki niso na voljo.

Temperatura razpadanja (°C):
Podatki niso na voljo.

Podatki o nevarnostih požara in eksplozije

Plamenišče (° C):
Podatki niso na voljo.

Vnetljivost (°C):
Podatki niso na voljo.

Temperatura samovžiga (°C):

Podatki niso na voljo.

Omejitve eksplozije (Vol %):
Podatki niso na voljo.

Topnost

Topnost v vodi:
Povsem topno

n-oktanol / vodni koeficient (LogKow):
Podatki niso na voljo.

Topnost v maščobi (g/L):
Podatki niso na voljo.

9.2. Drugi podatki

Drugi fizikalni in kemijski parametri:
Podatki niso na voljo.

Oksidacijske lastnosti:
Podatki niso na voljo.

ODDELEK 10: OBSTOJNOST IN REAKTIVNOST

10.1. Reaktivnost
Podatki niso na voljo.

10.2. Kemijska stabilnost
Izdelek je stabilen v pogojih, ki so navedeni v oddelek 7 "Ravnanje in skladiščenje".

10.3. Možnost poteka nevarnih reakcij
Ni znano.

10.4. Pogoji, ki se jim je treba izogniti
Ni znano.

10.5. Nezdružljivi materiali
Močne kisline, močne baze, močni oksidanti in močni reducenti.

10.6. Nevarni produkti razgradnje
V običajnih pogojih shranjevanja in uporabe ne bi smeli nastajati nevarni produkti razgradnje.

ODDELEK 11: TOKSIKOLOŠKI PODATKI

11.1. Podatki o razredih nevarnosti, kakor so opredeljeni v Uredbi (ES) št. 1272/2008

Akutna toksičnost

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 401
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	>5.000 mg/kg

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 402
Vrste:	Podgana
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2.000 mg/kg

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Vrste:	Podgana
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2000 mg/kg

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	>2000 mg/kg

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Vrste:	Podgana
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2000 mg/kg

Izdelek/sestavina	2-fenoksietanol
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	1840 mg/kg

Izdelek/sestavina	2-fenoksietanol
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Rezultat:	>5000 mg/kg

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Jedkost / draženje kože

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testni metoda:	OECD 404
Vrste:	Morski prašiček
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Izdelek/sestavina	2-fenoksietanol
Rezultat:	Ugotovljeni škodljivi učinki (Jedko)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Resna poškodba/draženje oči

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 404
Vrste:	Zajec
Rezultat:	Ugotovljeni škodljivi učinki (Rahlo draži)

Izdelek/sestavina	2-fenoksietanol
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost dihal

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost kože

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Mutagenost zarodnih celic

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Rakotvornost
Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Razmnoževalna toksičnost
Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-enkratna izpostavljenost
Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-ponavljajoča izpostavljenost
Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Nevarnost pri vdihavanju
Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

11.2. Podatki o drugih nevarnostih

Dolgoročni učinki
Ni znano.

Lastnosti endokrinih motilcev
Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti hormonskega motilca v zvezi z zdravjem

Drugi podatki
Ni znano.

ODDELEK 12: EKOLOŠKI PODATKI

12.1. Strupenost

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 203
Vrste:	Riba, Pimephales promelas
Test:	LC50
Rezultat:	>1-10 mg/L

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 202
Vrste:	Rak, Daphnia magna
Test:	EC50
Rezultat:	>1-10 mg/L

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 201
Vrste:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Rezultat:	>1-10 mg/L

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 209
Vrste:	Pseudomonas putida
Oddelek okolja:	Naprava z aktivnim blatom
Test:	EC0
Rezultat:	>100 mg/L

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 210
Vrste:	Riba

Test:	NOEC
Rezultat:	>0,1-1 mg/L

Izdelek/sestavina	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testni metoda:	OECD 211
Vrste:	Rak, Daphnia magna
Test:	NOEC
Rezultat:	>0,1-1 mg/L

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testni metoda:	OECD 201
Vrste:	Alge
Oddelek okolja:	Sladka voda
Trajanje:	72 ur
Test:	EC50
Rezultat:	410 mg/L

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testni metoda:	OECD 203
Vrste:	Riba
Oddelek okolja:	Sladka voda
Trajanje:	96 ur
Test:	LC50
Rezultat:	2,9 mg/L

Izdelek/sestavina	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testni metoda:	OECD 201
Vrste:	Alge
Oddelek okolja:	Sladka voda
Trajanje:	72 ur
Test:	NOEC
Rezultat:	4,9 mg/L

Izdelek/sestavina	2-fenoksietanol
Vrste:	Riba
Trajanje:	96 ur
Test:	LC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-fenoksietanol
Vrste:	Alge
Trajanje:	72 ur
Test:	ErC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-fenoksietanol
Vrste:	Daphnia magna
Trajanje:	48 ur
Test:	EC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-fenoksietanol
Vrste:	Riba
Test:	NOEC
Rezultat:	23 mg/L

Izdelek/sestavina	2-fenoksietanol
Vrste:	Andere waterorganismen
Trajanje:	30 minutes
Test:	EC50

Rezultat: >1000 mg/L

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

12.2. Obstojnost in razgradljivost

Izdelek/sestavina: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Zaključek: Hiter biološki razkroj

Izdelek/sestavina: Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Zaključek: Hiter biološki razkroj

Izdelek/sestavina: 2-fenoksietanol
Rezultat: >70
Zaključek: Hiter biološki razkroj
Test: OECD 301 A

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

12.3. Zmožnost kopičenja v organizmih

Izdelek/sestavina: 2-fenoksietanol
BCF: 0.349
LogKow: 1.2
Zaključek: -

12.4. Mobilnost v tleh

Podatki niso na voljo.

12.5. Rezultati ocene PBT in vPvB

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

12.6. Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti endokrinega motilca v zvezi z okoljem.

12.7. Drugi škodljivi učinki

Ni znano.

ODDELEK 13: ODSTRANJEVANJE

13.1. Metode ravnanja z odpadki

Ta izdelek ni zajet v predpisih o nevarnih odpadkih.
Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

EWC koda:

20 01 30 čistila, ki niso zajeta v 20 01 29

Kontaminirana embalaža

Embalažo, ki vsebuje ostanke iz izdelka, je treba odstraniti na enak način, kot izdelek.

ODDELEK 14: PODATKI O PREVOZU

	14.1 ZN	14.2 Pravilno odpremno ime ZN	14.3 Razredi nevarnosti prevoza	14.4 PG*	14.5 Env**	Druge informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina embalaže

** Nevarnosti za okolje

Dodatne informacije

Ni naveden kot nevarno blago, v skladu s predpisi ADR, IATA in IMDG.

14.6. Posebni previdnostni ukrepi za uporabnika

Se ne uporablja.

14.7. Pomorski prevoz v razsutem stanju v skladu z instrumenti IMO

Podatki niso na voljo.

ODDELEK 15: ZAKONSKO PREDPISANI PODATKI

15.1. Predpisi/zakonodaja o zdravju, varnosti in okolju, specificni za snov ali zmes

Omejitve za uporabo:

Samo za poklicne uporabnike.

Zahteve za posebno izobraževanje:

Ni posebnih zahtev.

SEVESO - Kategorije nevarnih snovi / Imenovane nevarne snovi:

Se ne uporablja.

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004:

>15% - <30%
· Neionske površinsko aktivne snovi
< 5%
· Amfoterne površinsko aktivne snovi
· Anionske površinsko aktivne snovi
· Konzervansu (PHENOXYETHANOL)

Dodatne informacije:

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

Viri:

Uredba (ES) št. 648/2004 Evropskega parlamenta in Sveta z dne 31. marca 2004 o detergentih.
Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.
Uredba (ES) št. 1272/2008 Evropskega parlamenta in Sveta z dne 16. decembra 2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi (CLP).
Uredba (ES) št. 1907/2006 Evropskega Parlamenta in Sveta z dne 18. decembra 2006 o registraciji, evalvaciji, avtorizaciji in omejevanju kemikalij (REACH).

15.2. Ocena kemijske varnosti

Ne

ODDELEK 16: DRUGI PODATKI

Celotno besedilo o H-stavkih, kot je omenjeno v oddelek 3

H302, Zdravju škodljivo pri zaužitju.
H315, Povzroča draženje kože.
H318, Povzroča hude poškodbe oči.
H319, Povzroča hudo draženje oči.
H335, Lahko povzroči draženje dihalnih poti.
H412, Škodljivo za vodne organizme, z dolgotrajnimi učinki.

Okrajšave in akronimi

ADN = Evropski sporazum o mednarodnem prevozu nevarnih snovi po celinskih vodah/po Renu
ADR = Evropski sporazum o mednarodnem cestnem prevozu nevarnega blaga
ATE = ocena akutne strupenosti

BCF = biokoncentracijski faktor
CAS = Služba za izmenjavo kemijskih izvlečkov
CE = Evropska skladnost
CLP = Uredba (ES) št. 1272/2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi
CSA = Ocena kemijske varnosti
CSR = Poročilo o kemijski varnosti
DNEL = Izpeljana raven brez učinka
EINECS = Evropski seznam kemičnih snovi, ki so na trgu
ES = Scenarij izpostavljenosti
EUH = CLP - specifičen stavek nevarnosti
EuPCS = Evropski sistem kategorizacije proizvodov
EWC = Evropski katalog odpadkov
GHS = Globalno usklajen sistem Združenih narodov za razvrščanje in označevanje kemikalij
GWP = Potencial globalnega segrevanje
HOS = Hlapna organska snov
IATA = Mednarodno združenje letalskih prevoznikov
IMDG = Mednarodni kodeks o prevozu nevarnega blaga po morju
LogPow = logaritem porazdelitvenega koeficienta oktanol/voda
MARPOL = Mednarodna konvencija o preprečevanju onesnaževanja morja z ladij, 1973, in njen Protokol iz leta 1978
MV = časovna povprečna
OECD = Organizacija za gospodarsko sodelovanje in razvoj
PBT = Obstojen, bioakumulativen in strupen
PNEC = predvidena koncentracija brez učinka
RID = Pravilnik o mednarodnem železniškem prevozu nevarnega blaga
RRN = Registracijska številka REACH
SCL = Posebne mejne koncentracije.
SVHC = snov, ki vzbuja veliko zaskrbljenost
STOT-RE = Specifična strupenost za ciljne organe - ponavljajoča se izpostavljenost
STOT-SE = Specifična strupenost za ciljne organe - enkratna izpostavljenost
UVCB = Pomeni snovi z neznano ali spremenljivo sestavo, kompleksne reakcijske produkte ali biološke materiale.
vPvB = zelo obstojen in zelo bioakumulativen
ZN = Združeni narodi

Dodatne informacije

Se ne uporablja.

Varnostnega lista je ovrednotil

Quality & Compliance

Drugo

Sprememba (v razmerju do zadnje bistvene spremembe (prva številka v različici SDS)) je označena z trikotnikom.
Podatki v tem varnostnega lista, veljajo samo za ta poseben izdelek (navedeno v oddelek 1) in niso nujno primerni za uporabo z drugimi kemikalijami/izdelki.
Priporočljivo je, da se izroči ta varnostnega lista dejanskemu uporabniku izdelka. Podatki v tem varnostnem listu se ne morejo uporabljati kot specifikacija izdelka.
Država-jezik: SI-sl

KARTA BEZPEČNOSTNÝCH ÚDAJOV

i.2 kitchen cleaner FlexDose Ultra

ODDIEL 1: IDENTIFIKÁCIA LÁTKY/ZMESI A SPOLOČNOSTI/PODNIKU

1.1. Identifikátor produktu

Názov produktu:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevantné identifikované použitia látky alebo zmesi a použitia, ktoré sa neodporúčajú

Relevantné identifikované použitia látky alebo zmesi:
Čistiace a čistiace prostriedky (vrátane tých na báze rozpúšťadiel)
Len na odborné použitie.

Neodporúčané spôsoby použitia:
Žiadne známe.

1.3. Údaje o dodávateľovi karty bezpečnostných údajov

Spoločnosť a adresa:
Hygeniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mail:
info@hygeniq.com

Revízia:
5. 8. 2025

Verzia KBÚ:
2.0

Dátum predchádzajúceho vydania:
16. 7. 2025 (2.0)

1.4. Núdzové telefónne číslo

Použite vaše štátne +421 2 5477 4166 alebo miestne tiesňové číslo.
Pozri oddiel 4 "Opatrenia prvej pomoci".

ODDIEL 2: IDENTIFIKÁCIA NEBEZPEČNOSTI

2.1. Klasifikácia látky alebo zmesi

Nie je klasifikovaný podľa nariadenia (ES) č. 1272/2008 (CLP).

2.2. Prvky označovania

Výstražný/-é piktogram/-y:
Nerelevantné.

Výstražné slová:
Nerelevantné.

Výstražné upozornenie/-a:
Nerelevantné.

Bezpečnostné upozornenia:

Všeobecné:
-

Prevencia:
-

Odozva:
-

Uchovávanie:
-

Zneškodňovanie:
-

Identifikácia látok primárne zodpovedných za hlavné zdravotné riziká:
Neobsahuje žiadne látky, ktoré ste povinný nahlásiť

▼*Ďalšie označovanie (etiketácia):*
EUH210, Na požiadanie možno poskytnúť kartu bezpečnostných údajov.
Nerelevantné.

Označovanie obsahu podľa nariadenia o detergentoch 648/2004 (platí pre obaly detergentov predávaných širokej verejnosti):

>15% - <30%
· Neionogénne povrchovo aktívne látky
< 5%
· Amfotérne povrchovo aktívne látky
· Aniónové povrchovo aktívne látky
· Konzervačnej (PHENOXYETHANOL)

2.3. Iná nebezpečnosť

Ďalšie upozornenia:
Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.
Tento výrobok neobsahuje žiadne látky považované za endokrinné disruptory v súlade s kritériami stanovenými v delegovanom nariadení Komisie (EÚ) 2017/2100 alebo v nariadení Komisie (EÚ) 2023/707.

ODDIEL 3: ZLOŽENIE/INFORMÁCIE O ZLOŽKÁCH

3.1. Látky
Nerelevantné. Tento výrobok je zmes.

3.2. Zmesi

Výrobok/prísada	Identifikácia	% w/w	Klasifikácia	Názov komponentu
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	Č. CAS: 147170-44-3 Č. EC: 604-575-4 REACH: Indexové č.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	Č. CAS: 85536-23-8 Č. EC: REACH: 01-2119565130-50-0000 Indexové č.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	

2-fenoxyetanol	Č. CAS: 122-99-6 Č. EC: 204-589-7 REACH: 01-2119488943-21 Indexové č.: 603-098-00-9	<1%	Acute Tox. 4, H302 (ATE: 1394,00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Pozri plné znenie H-viet v oddiele 16. Limity v pracovnom prostredí sú uvedené v oddiele 8, ak sú k dispozícii.

Ďalšie informácie

[19] UVCB = Znamenajú látky neznámeho alebo variabilného zloženia, produkty komplexných reakcií alebo biologické materiály.

ODDIEL 4: OPATRENIA PRVEJ POMOCI

4.1. Opis opatrení prvej pomoci

Všeobecné informácie:

V prípade nehody: Vyhľadajte lekára alebo pohotovostnú službu - vezmite si so sebou etiketu alebo tento bezpečnostný list.
Kontaktujte lekára, ak máte pochybnosti o stave postihnutej osoby alebo ak príznaky pretrvávajú. Nikdy nedávajte osobe v bezvedomí vodu ani iné tekutiny.

▼*Vdýchnutie:*

V prípade ťažkostí: zoberte osobu na čerstvý vzduch.

Styk s pokožkou:

V prípade podráždenia: produkt opláchnite. V prípade pretrvávajúceho podráždenia: Vyhľadajte lekársku pomoc.

▼*Zasiahnutie očí:*

Jemne opláchnite vlažnou vodou. Ak používate kontaktné šošovky a ak je to možné odstráňte ich. Pokračujte vo vyplachovaní. V prípade pretrvávajúceho podráždenia očí alebo nepohodlia: Vyhľadajte lekársku pomoc.

▼*Požitie:*

Ústa dôkladne vypláchnite a vypite veľké množstvo vody. V prípade pretrvávajúcich ťažkostí: vyhľadajte lekársku pomoc a doneste so sebou kartu bezpečnostných údajov.

Popáleniny:

Nerelevantné.

4.2. Najdôležitejšie príznaky a účinky, akútne aj oneskorené

Žiadne známe.

4.3. Údaj o akejkoľvek potrebe okamžitej lekárskej starostlivosti a osobitného ošetrenia

Ošetrujte na základe symptómov.

Informácie pre zdravotníkov

Vezmite so sebou tento karty bezpečnostných údajov alebo etiketu materiálu.

ODDIEL 5: PROTIPOŽIARNE OPATRENIA

5.1. Hasiace prostriedky

Nerelevantné.

5.2. Osobitné ohrozenia vyplývajúce z látky alebo zo zmesi

V dôsledku požiaru vznikne hustý dym. Kontakt s katabolickými produktmi môže viesť k poškodeniu vášho zdravia.
Uzavreté nádoby, ktoré sú vystavené požiaru, sa musia ochladiť vodou. Nedovoľte, aby hasiaca voda prenikla do kanalizácie a iných vodných tokov.
Ak je produkt vystavený vysokým teplotám, ako napr. v prípade požiaru, vznikajú nebezpečné katabolické látky. Ide o: Oxidy uhlíka (CO / CO2)

5.3. Pokyny pre požiarnikov

Žiadne špecifické požiadavky

ODDIEL 6: OPATRENIA PRI NÁHODNOM UVOĽNENÍ

6.1. Osobné bezpečnostné opatrenia, ochranné vybavenie a núdzové postupy
Kontaminované plochy môžu byť klzké.

6.2. Bezpečnostné opatrenia pre životné prostredie
Zabráňte vypúšťaniu do jazier, potokov, kanalizácií, atď.
Zabráňte prístupu nepovolaných osôb k úniku.

6.3. Metódy a materiál na zabránenie šíreniu a vyčistenie
Uniknutý materiál zachyťte a pozbierajte pomocou nehorľavého absorpčného materiálu, napr. piesku, zeminy, vermikulitu alebo kremeliny, a umiestnite do nádoby na likvidáciu v súlade s miestnymi predpismi.
Podľa možností čistenie vykonajte za použitia bežných čistiacich prostriedkov. Nepoužívajte rozpúšťadlá.

6.4. Odkaz na iné oddiely
Pozri oddiel 13 "Opatrenia pri zneškodňovaní" o nakladaní s odpadmi.
Pozri oddiel 8 "Kontroly expozície/osobná ochrana" o ochranných opatreniach.

ODDIEL 7: ZAOBCHÁDZANIE A SKLADOVANIE

7.1. Bezpečnostné opatrenia na bezpečné zaobchádzanie
Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.
Pozri oddiel "Kontroly expozície/osobná ochrana" o informáciách o osobnej ochrane.

7.2. ▼Podmienky bezpečného skladovania vrátane akejkoľvek nekompatibility

Kompatibility obalov:
Uchovávajte iba v pôvodnom balení.

Podmienky skladovania:
Suché, chladné a dostatočne vetrané

Nekompatibilné materiály:
Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

7.3. Špecifické konečné použitie, resp. použitia
Tento produkt sa môže používať len v prípadoch popísaných v oddiel 1.2.

ODDIEL 8: KONTROLY EXPOZÍCIE/OSOBNÁ OCHRANA

8.1. Kontrolné parametre
Výrobok neobsahuje žiadne látky uvedené v slovenskom zozname látok s obmedzením pôsobenia na pracovisku.

DNEL
2-fenoxyetanol

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobo – systémové účinky	Dermálne	10,42 mg/kg
Dlhodobo – systémové účinky - zamestnanci	Dermálne	34.72 mg/kg bw/day
Dlhodobo – systémové účinky – všeobecná populácia	Dermálne	20,83 mg/kg
Dlhodobo	Orálne	9,23 mg/kg
Dlhodobo – lokálne účinky – pracovníci	Vdýchnutie	5,7 mg/m³
Dlhodobo – systémové účinky	Vdýchnutie	2,41 mg/m³
Dlhodobo – systémové účinky - zamestnanci	Vdýchnutie	5,7 mg/m³
Dlhodobo – systémové účinky - zamestnanci	Vdýchnutie	8.07 mg/m³

PNEC

2-fenoxyetanol

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		24,8 mg/L
Čistiareň splaškov	Jednorazové	36 mg/L
Morská voda		0.0943 mg/L
Pôda		1,26 mg/kg
Sladká voda		0,943 mg/L
Sladkovodná usadenina		7.2366 mg/kg
Usadenina v morskej vode		0,7237 mg/kg

8.2. ▼Kontroly expozície

Uplatňujte všeobecnú kontrolu, aby sa zabránilo zbytočnému vystaveniu.

Všeobecné odporúčania:

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.

Scenáre vystavenia:

Pre tento produkt neboli implementované žiadne expozičné scenáre.

Expozičné limity:

Pre látky obsiahnuté v tomto produkte neexistujú žiadne maximálne expozičné limity.

Vhodné technické opatrenia:

Počas používania výrobku dodržiavajte štandardné bezpečnostné opatrenia. Zabráňte vdýchnutiu pár.

▼*Hygienické opatrenia:*

Po použití si umyte ruky.

Opatrenia na zamedzenie vystavenia životného prostredia:

Žiadne špecifické požiadavky

Individuálne ochranné opatrenia, akými sú napr. osobné ochranné prostriedky

Všeobecne:

Používajte len ochranné vybavenie označené značkou CE.

Dýchacie zariadenia:

Typ	Trieda	Farba	Normy	
Žiadne špeciálne požiadavky, ak sa používa podľa určenia.				

Ochrana kože:

Odporúčané	Typ/Kategórie	Normy	
Žiadne špeciálne požiadavky, ak sa používa podľa určenia	-	-	

Ochrana rúk:

Pracovné pomery	Materiál	Hrúbka (mm)	Doba prieniku (min.)	Normy	
V prípade dlhej expozície alebo vysokých koncentrácií	Žiadne špeciálne požiadavky, ak sa používa podľa určenia	-	-	-	
	Nitril	0.35			

Ochrana očí:

Pracovné pomery	Odporúčané	Normy	
	Žiadne špeciálne požiadavky, ak sa	-	

Pracovné pomery	Odporúčané	Normy	
	používa podľa určenia.		
V prípade dlhej expozície alebo vysokých koncentrácií	Používajte ochranné okuliare s postrannými štítmi.	EN166	

ODDIEL 9: FYZIKÁLNE A CHEMICKÉ VLASTNOSTI

9.1. Informácie o základných fyzikálnych a chemických vlastnostiach

Forma:
Kvapalina

▼*Farba:*
Bezfarebná

Zápach / Prahová hodnota zápachu (ppm):
Charakteristický

pH:
ca. 9.0

Hustota (g/cm³):
1,04 (20 °C)

Kinematická viskozita:
K dispozícii nie sú žiadne údaje.

Vlastnosti častíc:
Neuplatňuje sa na kvapaliny.

Fázové zmeny

Teplota topenia/tuhnutia (°C):
K dispozícii nie sú žiadne údaje.

Teplota/rozmedzie mäknutia (°C):
Neuplatňuje sa na kvapaliny.

Bod varu (°C):
K dispozícii nie sú žiadne údaje.

Tlak pary:
K dispozícii nie sú žiadne údaje.

Relatívna hustota pár:
K dispozícii nie sú žiadne údaje.

Teplota rozkladu (°C):
K dispozícii nie sú žiadne údaje.

Údaje o nebezpečenstve požiaru a výbuchu

Bod vzplanutia (°C):
K dispozícii nie sú žiadne údaje.

Horľavosť (°C):
K dispozícii nie sú žiadne údaje.

Teplota samovznietenia (°C):
K dispozícii nie sú žiadne údaje.

Medze výbušnosti (% v/v):
K dispozícii nie sú žiadne údaje.

Rozpustnosť

Rozpustnosť vo vode:
Úplne rozpustný

Rozdeľovací koeficient (n-oktanol/voda) (LogKow):
K dispozícii nie sú žiadne údaje.

Rozpustnosť v tuku (g/L):
K dispozícii nie sú žiadne údaje.

9.2. Iné informácie

D'alšie fyzikálne a chemické parametre:
K dispozícii nie sú žiadne údaje.

Oxidačné vlastnosti:
K dispozícii nie sú žiadne údaje.

ODDIEL 10: STABILITA A REAKTIVITA

10.1. Reaktivita
K dispozícii nie sú žiadne údaje.

10.2. Chemická stabilita
Produkt je stabilný za podmienok uvedených v oddieli "Zaobchádzanie a skladovanie".

10.3. Možnosť nebezpečných reakcií
Žiadne známe.

10.4. Podmienky, ktorým sa treba vyhnúť
Žiadne známe.

10.5. Nekompatibilné materiály
Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

10.6. Nebezpečné produkty rozkladu
Za normálnych podmienok skladovania a používania by nemali vznikať nebezpečné produkty rozkladu.

ODDIEL 11: TOXIKOLOGICKÉ INFORMÁCIE

11.1. Informácie o triedach nebezpečnosti vymedzených v nariadení (ES) č. 1272/2008

Akútna toxicita

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 401
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	>5.000 mg/kg

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 402
Testované živočíchy:	Potkan
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2.000 mg/kg

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testované živočíchy:	Potkan
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2000 mg/kg

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne

Skúška:	LD50
Výsledok:	>2000 mg/kg

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testované živočíchy:	Potkan
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2000 mg/kg

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	1840 mg/kg

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Králik
Priebeh vystavenia:	Dermálne
Výsledok:	>5000 mg/kg

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Poleptanie/podráždenie kože

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testovacia metóda:	OECD 404
Testované živočíchy:	Morča
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Výrobok/prísada	2-fenoxyetanol
Výsledok:	Pozorované nepriaznivé účinky (Žieravý)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Vážne poškodenie/podráždenie očí

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 404
Testované živočíchy:	Králik
Výsledok:	Pozorované nepriaznivé účinky (Mierne dráždivý)

Výrobok/prísada	2-fenoxyetanol
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Respiračná senzibilizácia

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Kožná senzibilizácia

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Mutagenita zárodočných buniek

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Karcinogenita

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Reprodukčná toxicita

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - jednorazové vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - opakované vystavenie
Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Nebezpečenstvo pri vdýchnutí
Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

11.2. Informácie o inej nebezpečnosti

Dlhodobé účinky
Žiadne známe.

Vlastnosti endokrinných disruptorov (rozvracačov)
Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce hormonálny systém vo vzťahu k zdraviu.

Iné informácie
Žiadne známe.

ODDIEL 12: EKOLOGICKÉ INFORMÁCIE

12.1. Toxicita

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 203
Testované živočíchy:	Ryby, Pimephales promelas
Skúška:	LC50
Výsledok:	>1-10 mg/L

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 202
Testované živočíchy:	Kôrovce, Daphnia magna
Skúška:	EC50
Výsledok:	>1-10 mg/L

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 201
Testované živočíchy:	Andere waterorganismen, Desmodesmus subspicatus
Skúška:	EC50
Výsledok:	>1-10 mg/L

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 209
Testované živočíchy:	Pseudomonas putida
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Skúška:	EC0
Výsledok:	>100 mg/L

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 210
Testované živočíchy:	Ryby
Skúška:	NOEC
Výsledok:	>0,1-1 mg/L

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Testovacia metóda:	OECD 211
Testované živočíchy:	Kôrovce, Daphnia magna
Skúška:	NOEC

Výsledok:	>0,1-1 mg/L

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testovacia metóda:	OECD 201
Testované živočíchy:	Riasy
Zložka životného prostredia :	Sladká voda
Doba:	72 hodín
Skúška:	EC50
Výsledok:	410 mg/L

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testovacia metóda:	OECD 203
Testované živočíchy:	Ryby
Zložka životného prostredia :	Sladká voda
Doba:	96 hodín
Skúška:	LC50
Výsledok:	2,9 mg/L

Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Testovacia metóda:	OECD 201
Testované živočíchy:	Riasy
Zložka životného prostredia :	Sladká voda
Doba:	72 hodín
Skúška:	NOEC
Výsledok:	4,9 mg/L

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Ryby
Doba:	96 hodín
Skúška:	LC50
Výsledok:	>100 mg/L

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Riasy
Doba:	72 hodín
Skúška:	ErC50
Výsledok:	>100 mg/L

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Daphnia magna
Doba:	48 hodín
Skúška:	EC50
Výsledok:	>100 mg/L

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Ryby
Skúška:	NOEC
Výsledok:	23 mg/L

Výrobok/prísada	2-fenoxyetanol
Testované živočíchy:	Andere waterorganismen
Doba:	30 minutes
Skúška:	EC50
Výsledok:	>1000 mg/L

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

12.2. Perzistencia a degradovateľnosť

Výrobok/prísada	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts

Záver:	Ľahká biodegradovateľnosť
Výrobok/prísada	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Záver:	Ľahká biodegradovateľnosť
Výrobok/prísada	2-fenoxyetanol
Výsledok:	>70
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 301 A

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability pod ľa Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť , alebo na žiados ťvýrobcu detergentu

12.3. Bioakumulačný potenciál

Výrobok/prísada	2-fenoxyetanol
BCF:	0.349
LogKow:	1.2
Záver:	-

12.4. Mobilita v pôde

K dispozícii nie sú žiadne údaje.

12.5. Výsledky posúdenia PBT a vPvB

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

12.6. Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce endokrinný systém vo vzťahu k životnému prostrediu.

12.7. Iné nepriaznivé účinky

Žiadne známe.

ODDIEL 13: OPATRENIA PRI ZNEŠKODŇOVANÍ

13.1. Metódy spracovania odpadu

Na tento produkt sa nevzťahujú predpisy o nebezpečných odpadoch.
Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.

Kód EWC:

20 01 30 Iné detergenty než uvedené v 20 01 29

Balenie kontaminovaného materiálu

Balenie, ktoré obsahuje zvyšky produktu, sa musí zlikvidovať rovnakým spôsobom ako produkt.

ODDIEL 14: INFORMÁCIE O DOPRAVE

	14.1 OSN	14.2 Správne expedičné označenie OSN	14.3 Trieda, resp. triedy nebezpečnosti pre dopravu	14.4 PG*	14.5. Env**	Ďalšie informácie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnosť pre životné prostredie

Ďalšie informácie

Nie je uvedený ako nebezpečný tovar podľa predpisov ADR, IATA a IMDG.

14.6. Osobitné bezpečnostné opatrenia pre užívateľa
Nerelevantné.

14.7. Námorná preprava hromadného nákladu podľa nástrojov IMO
K dispozícii nie sú žiadne údaje.

ODDIEL 15: REGULAČNÉ INFORMÁCIE

15.1. Nariadenia/právne predpisy špecifické pre látku alebo zmes v oblasti bezpečnosti, zdravia a životného prostredia

Obmedzenia použitia:
Len na odborné použitie.

Požiadavky na špecifické vzdelávanie:
Žiadne špecifické požiadavky

SEVESO - Kategórie nebezpečných látok / Menované nebezpečné látky:
Nerelevantné.

Označovanie obsahu podľa nariadenia o detergentoch 648/2004:

>15% - <30%
· Neionogénne povrchovo aktívne látky
< 5%
· Amfotérne povrchovo aktívne látky
· Aniónové povrchovo aktívne látky
· Konzervačnej (PHENOXYETHANOL)

Ďalšie informácie:
Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability pod ľ a Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiados ť výrobcu detergentu

Zdroje:
Nariadenie Európskeho parlamentu a Rady (ES) č. 648/2004 z 31. marca 2004 o detergentoch.
Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.
Nariadenie Európskeho parlamentu a Rady (ES) č. 1272/2008 z 16. decembra 2008 o klasifikácii, označovaní a balení látok a zmesí (CLP).
Nariadenie Európskeho parlamentu a Rady (ES) č. 1907/2006 z 18. decembra 2006 o registrácii, hodnotení, autorizácii a obmedzovaní chemických látok (REACH).

15.2. Hodnotenie chemickej bezpečnosti
Nie

ODDIEL 16: INÉ INFORMÁCIE

Plné znenia H-viet, ako sú uvedené v oddieli 3
H302, Škodlivý po požití.
H315, Dráždi kožu.
H318, Spôsobuje vážne poškodenie očí.
H319, Spôsobuje vážne podráždenie očí.
H335, Môže spôsobiť podráždenie dýchacích ciest.
H412, Škodlivý pre vodné organizmy, s dlhodobými účinkami.

Skratky a akronymy
ADN = Európske opatrenia o medzinárodnej vnútrozemskej vodnej preprave nebezpečných vecí
ADR = Európska dohoda o medzinárodnej cestnej preprave nebezpečných vecí
ATE = Odhad akútnej toxicity
BCF = Biokoncentračný faktor
CAS = Služba chemických konspektov
CE = Európska zhoda
CLP = klasifikácia, označenie a balenie nariadenie (ES) 1272/2008

CSA = Hodnotenie chemickej bezpečnosti
CSR = Správa o chemickej bezpečnosti
DNEL = Odvodená hladina, pri ktorej nedochádza k žiadnemu účinku
EINECS = Európsky zoznam existujúcich komerčných chemických látok ES = Scenáre expozície
EUH vyhlásenie = CLP-špecifické vyhlásenie o nebezpečenstve
EuPCS = Európsky systém kategorizácie výrobkov
EWC = Európsky katalóg odpadov
GHS = Globálny harmonizovaný systém klasifikácie a označovania
GWP = Potenciál globálneho otepľovania
IATA = Medzinárodná asociácia leteckej prepravy
IBC = Stredne veľká nádoba na voľne ložené látky
IMDG = Medzinárodný námorný zákon o nebezpečných veciach
LogPow = logaritmus koeficientu pomeru oktanol / voda
MARPOL = Medzinárodný dohovor na prevenciu znečistenia z lodí, 1973, modifikovaný protokolom z roku 1978. ("Marpol" = námorné znečistenie)
OECD = Organizácia pre hospodársku spoluprácu a rozvoj
PBT = Perzistentný, bioakumulovateľný a toxický
PNEC = Predpokladaná koncentrácia, pri ktorej nedochádza k žiadnemu účinku
OSN = Organizácia Spojených Národov
RID = Poriadok pre medzinárodnú železničnú prepravu nebezpečného tovaru
RRN = Registračné číslo REACH
SCL = špecifický koncentračný limit.
SVHC = Látky vzbudzujúce veľmi veľké obavy
STOT - RE = Toxicita pre špecifický cieľový orgán - opakovaná expozícia
STOT-SE = Toxicita pre špecifický cieľový orgán - jednorázová expozícia
TWA = časom vážená priemerná
UVCB = Znamenajú látky neznámeho alebo variabilného zloženia, produkty komplexných reakcií alebo biologické materiály.
VOC = Prchavé organické látky
vPvB = Veľmi perzistentný a veľmi akumulovateľný

▼Ďalšie informácie

V súlade s článkom 31 nariadenia REACH sa pre tento výrobok karta bezpečnostných údajov nepožaduje. Táto karta bezpečnostných údajov bola vytvorená dobrovoľne s cieľom distribuovať relevantné informácie podľa článku 32 nariadenia REACH.

Táto karta bezpečnostných údajov bola potvrdená

Quality & Compliance

Iné

Zmena (v pomere k poslednej zásadnej zmene (prvá šifra vo verzii karty bezpečnostných údajov)) je označená trojuholníkom.
Informácie uvedené v tomto karty bezpečnostných údajov platia iba pre tento konkrétny produkt (uvedené v oddiel 1), a nemusia byť preto správne pri použití tohto produktu s inými chemickými látkami/produktmi.
Odporúča sa odovzdať tento karty bezpečnostných údajov skutočnému užívateľovi produktu. Informácie v tomto bezpečnostnom liste sa nemôžu použiť ako špecifikácia produktu.
Krajina-jazyk: SK-sk

MALZEME GÜVENLIK BILGI FORMU

i.2 kitchen cleaner FlexDose Ultra

BÖLÜM 1: MADDE/KARISIM VE ŞIRKET/YÜKLENICININ TANIMLANMASI

1.1. Madde /Karışımın kimliği

Ticari adi:
i.2 kitchen cleaner FlexDose Ultra

1.2. Madde veya karışımın belirlenmiş kullanımları ve tavsiye edilmeyen kullanımları

Madde veya karisimin ilgili belirlenmis kullanimlari:
Deterjanlar ve temizlik maddeleri (solvent bazlı olanlar dahil)
Sadece profesyonel kullanıcılar içindir.

Kullanilmasi önerilmez:
Hiçbiri bilinmiyor.

1.3. Güvenlik bilgi formu tedarikçisinin bilgileri

Şirket ve adres:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-posta:
info@hygeniq.com

SDS tarihi:
5.08.2025

SDS Versiyonu:
2.0

Önceki Yayın Tarihi:
16.07.2025 (2.0)

1.4. Acil durum telefon numarasi

114
Ulusal veya yerel acil durum numarasını kullanın
Bkz bölüm 4 "İlk yardım önlemleri".

BÖLÜM 2: TEHLIKE TANIMLARI

2.1. Madde ve karışımın sınıflandırılması

Sınıflandırması, Etiketlenmesi ve Ambalajlanması (SEA) 11 Aralık 2013 Direktifi ve sayılı Resmi Gazete'de 28 848 yayımlanan göre Sınıflandırılmamış.

2.2. Etiket Unsurlari

Tehlike belirten resimli yazi(lar):
Uygulanamaz.

uyarı ifadesi:

Uygulanamaz.

Tehlike beyan(lar)i:
Uygulanamaz.

Güvenlik beyan(lar)i:

Genel:
-

Önleyici:
-

Yanit:
-

Depolama:
-

Atik:
-

Büyük saglik tehditlerinden birincil olarak sorumlu maddelerin kimligi:
Rapor etme zorunluluğu bulunan hiç bir madde içermez

▼*Ek Etiketleme:*
EUH210, Talep halinde güvenlik bilgi formu sağlanabilir.
Uygulanamaz.

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi (genel halka satılan deterjanların ambalajlanması için geçerlidir):

>15% - <30%
· Iyonik olmayan sürfaktanlar
< 5%
· Amforetik sürfaktanlar
· Anyonik sürfaktanlar
· Koruyucu (PHENOXYETHANOL)

2.3. Diğer zararlar

Ek uyarılar:
Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.
Bu ürün, Komisyon Delegasyonu Yönetmeliği (AB) 2017/2100 veya Komisyon Yönetmeliği (AB) 2023/707'te belirtilen kriterlere uygun olarak endokrin bozucu olarak kabul edilen herhangi bir madde içermez.

BÖLÜM 3: BILESIMI/IÇINDEKILER HAKKINDA BILGI

3.1. Maddeler
Uygulanamaz. Bu ürün bir karışımdır.

3.2. Karışımlar

Ürün/içerik	Tanımlayıcılar	% w/w	Sınıflandırma	Notlar
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 REACH: Liste No.:	3-5%	Eye Dam. 1, H318 (SCL: 10,00 %) Eye Irrit. 2, H319 (SCL: 4,00 %) Aquatic Chronic 3, H412	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8 EC No.: REACH: 01-2119565130-50-0000 Liste No.:	1-3%	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
2-phenoxyethanol	CAS No.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394,00	

	EC No.: 204-589-7 REACH: 01-2119488943-21 Liste No.: 603-098-00-9		mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Bölüm 16'daki H terimlerinin tam metnine bakın. Mevcut ise mesleki sınırlar bölüm 8'de listelenmiştir.

Diger bilgiler
UVCB = Bilinmeyen veya değişken bileşim, kompleks reaksiyon ürünleri veya biyolojik malzemeler

BÖLÜM 4: ILK YARDIM ÖNLEMLERI

4.1. İlk yardım önlemlerinin açıklaması

Genel bilgiler:
Kaza durumunda: Doktor veya acil servise başvırın, etiketi veya bu güvenlik veri sayfasını yanınıza alın.
Yaralanan kişinin durumundan emin değilseniz veya belirtiler devam ediyorsa doktora başvurun. Bilinç kaybına uğramış bir kişiye su veya benzeri şeyler vermeyin.

▼*Soluma:*
Rahatsızlık durumunda: kişiyi temiz havaya çıkarınız.

Cilt ile temas:
Tahriş durumunda: ürünü yıkayınız. Tahrişin devam etmesi durumunda: Doktora başvurunuz.

▼*Göz ile temas:*
Ilık suyla hafifçe durulayın. Yapması kolaysa kontakt lensleri çıkarın. Durulamaya devam edin. Kalıcı göz tahrişi veya rahatsızlığı durumunda: Tıbbi destek alın.

▼*Yutma:*
Ağzını iyice yıkayınız ve çok miktarda su içiniz. Rahatsızlığın devam etmesi durumunda: doktora başvurunuz ve bu güvenlik veri sayfasını yanınızda götürünüz.

Yaniklar:
Uygulanamaz.

4.2. Akut ve sonradan görülen önemli belirtiler ve etkiler
Hiçbiri bilinmiyor.

4.3. Tıbbi müdahale ve özel tedavi gereği için ilk işaretler
Semptomatik olarak tedavi edin.

Doktorlar için bilgiler
Bu güvenlik belgesini veya malzemenin etiketini yanınıza alın.

BÖLÜM 5: YANGIN ÖNLEMLERI

5.1. Yangın söndürücüler
Uygulanamaz.

5.2. Madde veya karışımdan kaynaklanan özel zararlar
Yangın yoğun bir duman oluşturacaktır. Katabolik ürünlere maruz kalmak sağlığınız için zararlı olabilir. Yangına maruz kalan kapalı konteynerler su ile soğutulmalıdır. Yangın söndürme suyunun kanalizasyona veya benzeri su kanallarına akmasını engelleyin.
Eğer ürün bir yangın durumunda olduğu gibi yüksek sıcaklıklara maruz kalırsa, tehlikeli katabolik maddeler yayılır.
Bunlar:
Karbon oksitler (CO / CO2)

5.3. Yangın söndürme ekipleri için tavsiyeler
Belirli gereksinimler yoktur.

BÖLÜM 6: KAZARA SALINIMA KARSI ÖNLEMLER

6.1. Kişisel önlemler, koruyucu donanım ve acil durum prosedürleri
Kirli alanlar kaygan olabilir.

6.2. Çevresel önlemler
Göl, akarsu, kanalizasyon vb.'ne akması engellenmelidir.
Yetkisiz kişileri döküntüden uzak tutun

6.3. Muhafaza etme ve temizleme için yöntemler ve materyaller
Dökülen maddeyi, kum, toprak, vermikülit, diyatomlu toprak gibi yanmayan emici maddelerle etrafını çevirip toplayın ve yerel mevzuata uygun olarak atmak üzere bir konteynere yerleştirin.
Temizlik mümkün olduğunca normal temizlik malzemeleri ile yapılmalıdır. Çözücülerden kaçınılmalıdır.

6.4. Diğer bölümlere atıflar
Atıklarla ilgili olarak 13 " Atıkların atılması ile ilgili hususlar" bölümüne göz atın.
Koruyucu önlemler için 8 "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

BÖLÜM 7: TASIMA VE DEPOLAMA

7.1. Güvenli elleçleme için önlemler
Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.
Kişisel koruma için "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

7.2. ▼Uyuşmazlıkları da içeren güvenli depolama için koşullar

Ambalaj uygunlukları:
Sadece orijinal paketi içerisinde tutun.

Depolama koşulları:
Kuru, serin ve iyi havalandırılmış

Kaçınılması gereken maddeler:
Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

7.3. Belirli son kullanımlar
Bu ürün sadece bölüm 1.2'de belirtilen uygulamalar için kullanılmalıdır.

BÖLÜM 8: MARUZ KALMA KONTROLLERI/KISISEL KORUMA

8.1. Kontrol parametreleri
Ürün, çalışma alanı maruz kalma limitli madde olarak Türkiye listesinde bulunan maddeler içermez.

DNEL
2-phenoxyethanol

Süresi:	Maruz kalma şekli:	DNEL:
Uzun vade	Ağız yolu	9,23 mg/kg
Uzun vade - Sistemik etkiler	Cilt yolu	10,42 mg/kg
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	34.72 mg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	20,83 mg/kg
Uzun Vade - Lokal Etkiler - Çalışanlar	Solunum yolu	5,7 mg/m³
Uzun vade - Sistemik etkiler	Solunum yolu	2,41 mg/m³
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	5,7 mg/m³
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	8.07 mg/m³

PNEC

2-phenoxyethanol

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Atık su Arıtma Tesisi		24,8 mg/L
Atık su Arıtma Tesisi	Tek	36 mg/L
Deniz suyu		0.0943 mg/L
deniz suyu tortusu		0,7237 mg/kg
Temiz su		0,943 mg/L
Temiz su tortusu		7.2366 mg/kg
toprak		1,26 mg/kg

8.2. ▼Maruz kalma kontrolleri

Gereksiz maruziyeti önlemek için genel kontrol işlemi gerçekleştirin.

Genel öneriler:

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Maruz kalma senaryolari:

Bu ürün için uygulanan hiçbir maruz kalma senaryosu bulunmamaktadır.

Maruz kalma sinirlari:

Bu ürün içerisinde bulunan maddeler için maksimum maruz kalma limiti yoktur.

Ilgili teknik önlemler:

Ürünün kullanımı sırasında standart tedbirleri uygulayın. Buharı solumaktan kaçının.

▼*Hijyen önlemleri:*

Kullanımdan sonra ellerinizi yıkayın.

Çevresel maruz kalmayi engellemek üzere önlemler:

Belirli gereksinimler yoktur.

Kisisel koruma ekipmanlari gibi bireysel koruma önlemleri

Genel:

Sadece CE işaretli koruyucu ekipmanları kullanınız.

Soluma ekipmani:

Tipi	Sınıf	Renk	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur.				

Cildin korunmasi:

Önerilen	Tip/Kategori	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur	-	-	

Ellerin korunmasi:

Çalışma durumu	Malzeme	Minimum tabaka kalınlığı (mm)	Delinme süresi (dakika)	Standartlarına	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Amacına uygun kullanıldığında özel durum yoktur	-	-	-	
	Nitril	0.35			

Gözlerin korunmasi:

Çalışma durumu	Tipi	Standartlarına	
	Amacına uygun kullanıldığında özel	-	

Çalışma durumu	Tipi	Standartlarına	
	durum yoktur.		
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Yan siperleri olan koruyucu gözlük takın.	EN166	

BÖLÜM 9: FIZIKSEL VE KIMYASAL ÖZELLIKLER

9.1. Temel fiziksel ve kimyasal özellikler hakkında bilgi

Sekil:
Sıvı

▼*Renk:*
Renksiz

Koku / Koku eşiği (ppm):
Karakteristik

pH:
ca. 9.0

Yogunluk (g/cm³):
1,04 (20 °C)

Kinematik vizkosite:
Veri bulunmamaktadır.

Partikül özellikleri:
Sıvılar uygulanmaz

Hal degisiklikleri

Erime noktası/Donma noktası (°C):
Veri bulunmamaktadır.

Yumuşama noktası/aralığı (°C):
Sıvılar uygulanmaz

Kaynama noktasi (°C):
Veri bulunmamaktadır.

Buhar basinci:
Veri bulunmamaktadır.

Bağıl buhar yoğunluğu:
Veri bulunmamaktadır.

Bozunma sıcaklığı (°C):
Veri bulunmamaktadır.

Yangin ve patlama tehlikeleri ile ilgili veriler

Parlama noktasi (°C):
Veri bulunmamaktadır.

Alevlenirlik (°C):
Veri bulunmamaktadır.

Kendi kendine yanma noktasi (°C):
Veri bulunmamaktadır.

Patlama sinirlari (% v/v):
Veri bulunmamaktadır.

Çözünebilirlik

Suda çözünebilirlik:
Tamamen çözünür

n-oktanol/su katsayisi (LogKow):
Veri bulunmamaktadır.

Yagda çözünebilirlik (g/L):
Veri bulunmamaktadır.

9.2. Diger bilgiler

Diğer fiziksel ve kimyasal parametreler:
Veri bulunmamaktadır.

Oksitleyici özellikler:
Veri bulunmamaktadır.

BÖLÜM 10: KARARLILIK VE REAKTIFLIK

10.1. Tepkime
Veri bulunmamaktadır.

10.2. Kimyasal kararlilik
Ürün 7, "Taşıma ve depolama" bölümünde belirtilen koşullar altında durağandır.

10.3. Zararlı tepkime olasılığı
Hiçbiri bilinmiyor.

10.4. Kaçınılması gereken durumlar
Hiçbiri bilinmiyor.

10.5. Kaçınılması gereken maddeler
Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

10.6. Zararlı bozunma ürünleri
Normal depolama ve kullanım koşulları altında tehlikeli bozunma ürünleri üretilmemelidir.

BÖLÜM 11: TOKSIKOLOJIK BILGILER

11.1. Toksik etkiler hakkında bilgi

Akut toksik

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 401
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	>5.000 mg/kg

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 402
Tür:	Sıçan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2.000 mg/kg

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tür:	Sıçan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2000 mg/kg

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu

Test:	LD50
Sonuç:	>2000 mg/kg

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Tür:	Sıçan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2000 mg/kg

Ürün/içerik	2-phenoxyethanol
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	1840 mg/kg

Ürün/içerik	2-phenoxyethanol
Tür:	Tavşan
Maruz kalma şekli:	Cilt yolu
Sonuç:	>5000 mg/kg

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt asinmasi/tahris

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test metodu:	OECD 404
Tür:	Gine domuzu
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Ürün/içerik	2-phenoxyethanol
Sonuç:	Yan etki gözlemlenmiştir (Aşındırıcı)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Ciddi göz hasarları/tahrişi

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 404
Tür:	Tavşan
Sonuç:	Yan etki gözlemlenmiştir (Az miktarda tahriş edici)

Ürün/içerik	2-phenoxyethanol
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Solunum yollari hassaslasmasi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt hassaslasmasi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Hastalikli hücre mutajenitesi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Kanserojenlik

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Üreme toksisitesi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT- tekil maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT - tekrarli maruz kalma
Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Aspirasyon tehlikesi
Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

11.2. Diğer tehlikelere ilişkin bilgiler

Uzun vadeli etkiler
Hiçbiri bilinmiyor.

Endokrin bozucu özellikler
Bu karışım/ürün, sağlıkla ilgili hormon bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

Diğer bilgiler
Hiçbiri bilinmiyor.

BÖLÜM 12: EKOLOJIK BILGILER

12.1. Toksisite

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 203
Tür:	Balık, Pimephales promelas
Test:	LC50
Sonuç:	>1-10 mg/L

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 202
Tür:	Kabuklı, Daphnia magna
Test:	EC50
Sonuç:	>1-10 mg/L

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 201
Tür:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Sonuç:	>1-10 mg/L

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 209
Tür:	Pseudomonas putida
Ortamıdır:	Etkinleştirilen Çamur Tesisi
Test:	EC0
Sonuç:	>100 mg/L

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 210
Tür:	Balık
Test:	NOEC
Sonuç:	>0,1-1 mg/L

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test metodu:	OECD 211
Tür:	Kabuklı, Daphnia magna
Test:	NOEC
Sonuç:	>0,1-1 mg/L

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test metodu:	OECD 201
Tür:	Yosun
Ortamıdır:	Temiz su
Süresi:	72 saat
Test:	EC50
Sonuç:	410 mg/L

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test metodu:	OECD 203
Tür:	Balık
Ortamıdır:	Temiz su
Süresi:	96 saat
Test:	LC50
Sonuç:	2,9 mg/L

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test metodu:	OECD 201
Tür:	Yosun
Ortamıdır:	Temiz su
Süresi:	72 saat
Test:	NOEC
Sonuç:	4,9 mg/L

Ürün/içerik	2-phenoxyethanol
Tür:	Balık
Süresi:	96 saat
Test:	LC50
Sonuç:	>100 mg/L

Ürün/içerik	2-phenoxyethanol
Tür:	Yosun
Süresi:	72 saat
Test:	ErC50
Sonuç:	>100 mg/L

Ürün/içerik	2-phenoxyethanol
Tür:	Daphnia magna
Süresi:	48 saat
Test:	EC50
Sonuç:	>100 mg/L

Ürün/içerik	2-phenoxyethanol
Tür:	Balık
Test:	NOEC
Sonuç:	23 mg/L

Ürün/içerik	2-phenoxyethanol
Tür:	Andere waterorganismen
Süresi:	30 minutes
Test:	EC50
Sonuç:	>1000 mg/L

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

12.2. Kalıcılık ve bozunabilirlik

Ürün/içerik	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Sonuç:	Kolay biyobozunabilirlik

Ürün/içerik	Amides, rape-oil, N-(hydroxyethyl), ethoxylated

Sonuç: Kolay biyobozunabilirlik

Ürün/içerik 2-phenoxyethanol
Sonuç: >70
Sonuç: Kolay biyobozunabilirlik
Test: OECD 301 A

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilme kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

12.3. Biyobirikim potansiyeli

Ürün/içerik 2-phenoxyethanol
BCF: 0.349
LogKow: 1.2
Sonuç: -

12.4. Toprakta hareketlilik

Veri bulunmamaktadır.

12.5. PBT ve vPvB değerlendirmesinin sonuçları

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

12.6. Endokrin bozucu özellikler

Bu karışım/ürün, çevreyle ilgili endokrin bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

12.7. Diger olumsuz etkiler

Hiçbiri bilinmiyor.

BÖLÜM 13: ATIKLARIN ATILMASI ILE ILGILI HUSUSLAR

13.1. Atik isleme yöntemleri

Bu ürün tehlikeli atık düzenlemeleri kapsamında değildir.
18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.

EWC kodu:
20 01 30 20 01 29 belirtilenler dışındaki deterjanlar

Bulasmis ambalaj

Ürünün artıklarının bulunduğu ambalaj malzemeleri ürün ile aynı şekilde atılmalıdır.

BÖLÜM 14: TASIMACILIK BILGILERI

	14.1 UN	14.2 İsim ve tanım	14.3 Sınıf	14.4 PG*	14.5. Env**	Diger bilgiler:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Paketleme grubu

** Çevresel zararlar

Ek bilgiler

ADR, IATA ve IMDG düzenlemelerine göre tehlikeli mallar listesinde yer almamaktadır.

14.6. Kullanici için özel önlemler

Uygulanamaz.

14.7. MARPOL 73/78 ek II ve IBC koduna göre toplu taşımacılık

Veri bulunmamaktadır.

BÖLÜM 15: MEVZUAT BILGILERI

15.1. Madde veya karışıma özgü güvenlik, sağlık ve çevre mevzuatı

Uygulama ile ilgili sinirlamalar:
Sadece profesyonel kullanıcılar içindir.

Özel egitim talepleri:
Belirli gereksinimler yoktur.

SEVESO - Tehlıkelı maddelerın zararlilik kategorıleri / Adlandirilmiş tehlikeli maddeler:
Uygulanamaz.

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi:

>15% - <30%
· Iyonik olmayan sürfaktanlar
< 5%
· Amforetik sürfaktanlar
· Anyonik sürfaktanlar
· Koruyucu (PHENOXYETHANOL)

Ek bilgiler:
Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilme kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

Kaynaklar:
DETERJANLAR HAKKINDA YÖNETMELİK. Resmî Gazete Sayı : 30314 (Ocak 2018)
18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.
11/12/2013 tarihli ve 28848 MADDELERİN VE KARIŞIMLARIN SINIFLANDIRILMASI, ETİKETLENMESİ VE AMBALAJLANMASI HAKKINDA YÖNETMELİK
23/06/2017 tarihli ve 30105 KİMYASALLARIN KAYDI, DEĞERLENDİRİLMESİ, İZNİ VE KISITLANMASI HAKKINDA YÖNETMELİK.

15.2. Kimyasal güvenlik degerlendirmesi

Hayır

BÖLÜM 16: DIGER BILGILER

Bölüm 3'te belirtilen H terimlerinin tam metni
H302, Yutulması halinde zararlıdır.
H315, Cilt tahrişine yol açar.
H318, Ciddi göz hasarına yol açar.
H319, Ciddi göz tahrişine yol açar.
H335, Solunum yolu tahrişine yol açabilir.
H412, Sucul ortamda uzun süre kalıcı, zararlı etki.

Kısaltmalar ve eş anlamlılar
ACGIH = American Conference of Industrial Hygienists
ADN = Tehlikeli yüklerin iç su yollarında uluslararası taşınması hakkındaki Avrupa Koşulları
ADR = Tehlikeli yüklerin uluslararası karayollarında taşınması hakkındaki Avrupa Sözleşmesi
ATE = Öngörülen akut toksisite
BCF = Biyobirikim faktörü
BM = Birleşmiş Milletler
CAS = Kimyasal Kuramlar Servisi
CE = Avrupa Uygunluğu
EuPCS = Avrupa Ürün Kategorizasyon Sistemi
GHS = Kimyasalların Global Harmonize Sınıflandırma ve Etiketleme Sistemi

IATA = Uluslararası Hava Taşımacılığı Birliği
IMDG = Uluslararası Denizcilikte Tehlikeli Yükler
KIP = Küresel ısınma potansiyeli
LogPow = oktanol/su dağılım katsayısının 10 tabanlı logaritması
MARPOL = Gemilerden Kaynaklanan Deniz Kirliliğini Önleme Sözleşmesi, 1973 1978 Protokolüyle değiştirilmiş hali ("Marpol" = deniz kirlenmesi)
OECD = Ekonomik İşbirliği ve Kalkınma Örgütü
PBT = Kalıcı, Biyobirikimli ve Toksik
RID = Tehlikeli Yüklerin Uluslararası Demiryolu ile Taşınması hakkındaki Tüzük
SCL = Spesifik konsantrasyon limiti.
STOT-RE = Özel Organ Hedefli Toksisite - Tekrarlanan Maruziyet
STOT-SE = Özel Organ Hedefli Toksisite - Tek Maruziyet
TWA = Zaman ağırlıklı ortalama
UOB = Uçucu Organik Bileşikler
UVCB = Bilinmeyen veya değişken bileşim, kompleks reaksiyon ürünleri veya biyolojik malzemeler
vPvB = Çok Kalıcı ve Çok Biyobirikimli

▼Ek bilgiler

REACH'in 31. maddesine uyarınca güvenlik bilgi formu bu ürün için gerekli değildir. Bu güvenlik bilgi formu REACH'in 32. madde gereğince ilgili bilgiyi düzenlemek için gönüllülük esasıyla oluşturulmuştur.

Güvenlik bilgi formunu onaylayan

Quality & Compliance

Diger

Değişiklik (en son önemli değişiklik ile orantılı olarak (SDS versiyonu ilk anahtarı)) üçgen ile işaretlenmiştir.
Bu güvenlik bilgi formu içerisindeki bilgiler sadece belirlenmiş ürün için uygundur (bölüm 1'de belirtilmiştir) ve diğer kimyasallar/ürünler için kullanılması uygun olmayabilir.
Bu güvenlik bilgi formunun asıl ürün kullanıcısına teslim edilmesi önerilir. Bu güvenlik bilgi formu içerisindeki bilgiler ürün spesifikasyonu olarak kullanılamaz.
Ülke-dil: TR-tr

SAFETY DATA SHEET

i.2 kitchen cleaner FlexDose Ultra

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name:
i.2 kitchen cleaner FlexDose Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
8/5/2025

SDS Version:
2.0

Date of previous version:
7/16/2025 (2.0)

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
See also section 4 “First aid measures”.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3	3-5%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %)	[19]
Amides, rape-oil, N-(hydroxyethyl), ethoxylated	CAS No.: 85536-23-8	1-3%	Skin Irrit. 2, H315	
2-phenoxyethanol	CAS No.: 122-99-6	<1%	Acute Tox. 4, H302 (ATE: 1394.00 mg/kg) Eye Dam. 1, H318 STOT SE 3, H335	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person’s condition or if the symptoms persist. Never give an

unconscious person water or other drink.

Inhalation:
In case of discomfort: bring the person into fresh air.

Skin contact:
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:
Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:
Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:
Not applicable.

4.2. Most important symptoms and effects, both acute and delayed
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Not applicable.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:
Keep only in original packaging.

Storage conditions:
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:
Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:
There are no exposure scenarios implemented for this product.

Exposure limits:
Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:
Wash hands after use.

Measures to avoid environmental exposure:
No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:
Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
In the event of prolonged exposure or high concentrations	No special when used as intended	-	-	-	
	Nitril	0.35			

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:
Liquid

▼*Color:*
Colourless

Odor:
Characteristic

Odor threshold (ppm):
No data available.

pH:
ca. 9.0

Density (g/cm³):
1.04 (20 °C)

Kinematic viscosity:
No data available.

Particle characteristics:
Does not apply to liquids.

Phase changes

Melting point/freezing point (°F):
No data available.

Softening point/range (°F):
Does not apply to liquids.

Boiling point (°F):
No data available.

Vapor pressure:
No data available.

Relative vapor density:
No data available.

Decomposition temperature (°F):
No data available.

Data on fire and explosion hazards

Flash point (°F):
No data available.

Flammability (°F):
No data available.

Auto-ignition temperature (°F):
No data available.

Explosion limits (% v/v):
No data available.

Solubility

Solubility in water:
Completely soluble

n-octanol/water coefficient (LogKow):
No data available.

Solubility in fat (g/L):
No data available.

9.2. Other information

Other physical and chemical parameters:
No data available.

Oxidizing properties:
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>20000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	44.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 401

Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5.000 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 402
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1840 mg/kg

Product/substance	2-phenoxyethanol
Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	Propane-1,2-diol
Result:	No adverse effect observed (Not irritating)

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 404
Species:	Guinea pig
Result:	Adverse effect observed (Irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Corrosive)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	Propane-1,2-diol
Result:	Adverse effect observed (Slightly irritating)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-phenoxyethanol
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
None known.

Other information
2,2',2''-nitrilotriethanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	48 hours
Test:	LC50
Result:	18340 mg/L

Product/substance	Propane-1,2-diol
Species:	Crustacean, Ceriodaphnia Dubia
Duration:	7 days
Test:	NOEC

Result:	13020 mg/L

Product/substance	Propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

Product/substance	Propane-1,2-diol
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	NOEC
Result:	>20000 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Test:	LC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 201
Species:	Andere waterorganismen, Desmodesmus subspicatus
Test:	EC50
Result:	>1-10 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 209
Species:	Pseudomonas putida
Compartment:	Activated Sludge Plant
Test:	EC0
Result:	>100 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 210
Species:	Fish
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Test:	NOEC
Result:	>0,1-1 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater

Duration:	72 hours
Test:	EC50
Result:	410 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 203
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2,9 mg/L

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Test method:	OECD 201
Species:	Algae
Compartment:	Freshwater
Duration:	72 hours
Test:	NOEC
Result:	4,9 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Andere waterorganismen
Duration:	30 minutes
Test:	EC50
Result:	>1000 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Propane-1,2-diol
Result:	96%
Conclusion:	Readily biodegradable

Product/substance	Propane-1,2-diol
Duration:	28 days
Result:	81 %
Conclusion:	Readily biodegradable

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs.,

	inner salts
Conclusion:	Readily biodegradable

Product/substance	Amides, rape-oil, N-(hydroxyethyl), ethoxylated
Conclusion:	Readily biodegradable

Product/substance	2-phenoxyethanol
Result:	>70
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. Bioaccumulative potential

Product/substance	Propane-1,2-diol
BCF:	0,09
LogKow:	-1,07
Conclusion:	No potential for bioaccumulation

Product/substance	2-phenoxyethanol
BCF:	0.349
LogKow:	1.2
Conclusion:	-

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to IMO instruments
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. U.S. Federal regulations

TSCA (the non-confidential portion):
Propane-1,2-diol is listed
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts is listed
2-phenoxyethanol is listed
2,2',2''-nitrilotriethanol is listed

Clean Air Act:
None of the components are listed

EPCRA Section 302:
None of the components are listed

EPCRA Section 304:
None of the components are listed

EPCRA section 313:
None of the components are listed

CERCLA:
None of the components are listed

Hazardous chemical inventory reporting:
This product is not subject to Tier II reporting.

State regulations

California / Prop. 65:
None of the components are listed

Massachusetts / Right To Know Act:
None of the components are listed

New Jersey / Right To Know Act:
Propane-1,2-diol / Substance number: 3595

—
2,2',2''-nitrilotriethanol / Substance number: 4094
—

New York / Right To Know Act:
None of the components are listed

Pennsylvania / Right To Know Act:
Propane-1,2-diol is listed

—
2,2',2''-nitrilotriethanol is listed
—

15.4. Restrictions for application
Restricted to professional users.

15.5. Demands for specific education
No specific requirements.

15.6. Additional information
Not applicable.

15.7. Chemical safety assessment
No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with HCS (29 CFR 1910.1200(g)), a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: US-en