SAFETY DATA SHEET

i.12 disinfectant

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

1.1. Product identifier

Trade name:
i.12 disinfectant

Unique formula identifier (UFI):
CPV4-WDJR-TKGQ-KJRK

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

Relevant identified uses of the substance or mixture:
Biocide
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:
21/07/2025

SDS Version:
2.0

Date of previous version:
23/05/2025 (1.0)

1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service)
Only intended to inform professional emergency services in case of acute poisoning.
See section 4 on first aid measures.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP).

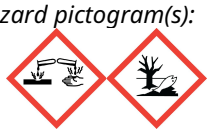
2.1. Classification of the substance or mixture

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.
Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Acute 1; H400, Very toxic to aquatic life.
Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):



Signal word:
Danger

Hazard statement(s):
Causes severe skin burns and eye damage. (H314)
Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statement(s):

General:
-

Prevention:
Do not breathe vapour/mist. (P260)
Avoid release to the environment. (P273)
Wear eye protection/protective gloves. (P280)

Response:
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage:
-

▼*Disposal:*
Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances:
didecyldimethylammonium chloride

Additional labelling:

Active substance(s):
didecyldimethylammonium chloride (10.4 g/100g)
isopropyl alcohol (4.9 g/100g)

UFI: CPV4-WDJR-TKGQ-KJRK

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
didecyldimethylammonium	CAS No.: 7173-51-5	10-15%	EUH071	[4]

chloride	EC No.: 230-525-2 REACH: 01-2119945987-15-XXXX Index No.: 612-131-00-6		Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
isopropyl alcohol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: Index No.: 603-117-00-0	3-5%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

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

Other information

[4] Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

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:

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.

Skin contact:

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

Eye contact:

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Ingestion:

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid
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:
Halogenated compounds
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Normal protective clothing and full respiratory protection. In case of direct contact with the chemicals Doctors and medical personnel contact NVIC: Tel: +31 (0)88 755 8000 (available 24/7)

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid direct contact with the product.
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
Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
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 the national list of substances with an occupational exposure limit.

DNEL

didecyldimethylammonium chloride

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	1,55 mg/kg
Short term – Systemic effects	Dermal	1,55 mg/kg
Long term – Systemic effects - Workers	Inhalation	5,39 mg/m³
Short term – Systemic effects	Inhalation	5,39 mg/m³

isopropyl alcohol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg
Long term – Systemic effects - Workers	Dermal	888 mg/m³
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg/m³
Long term – Systemic effects - General population	Oral	26 mg/kg

PNEC

didecyldimethylammonium chloride

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,002 mg/L
Freshwater		1.1 µg/L
Freshwater sediment		2,82 mg/kg
Freshwater sediment		61.86 mg/kg
Intermittent release (freshwater)		210 ng/L
Intermittent release (marine water)		21 ng/L
Marine water		0,0002 mg/L
Marine water		110 ng/L
Marine water sediment		0,28 mg/kg
Marine water sediment		6.186 mg/kg
Sewage treatment plant		0,595 mg/L
Sewage treatment plant		140 µg/L
Soil		1,4 mg/kg
Soil		1.4 mg/kg

isopropyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140,9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/L
Marine water		140,9 mg/L

Marine water sediment		552 mg/kg
Sewage treatment plant		2251 mg/L
Soil		28 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:

Ensure that eyewash stations and safety showers are located within easy reach.
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:

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
Respiratory protection is not needed in the event of adequate ventilation.				

Skin protection:

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

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.4	> 480	EN374-2, EN16523-1, EN388	

Eye protection:

Type	Standards	
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:
7,0 - 8,5

Density (g/cm³):
0.985 (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
Thermal decomposition may produce corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	238 mg/kg

Product/substance	didecyldimethylammonium chloride
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	3342 mg/kg

Product/substance	didecyldimethylammonium chloride
Route of exposure:	Oral
Result:	457,69 mg/kg

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	isopropyl alcohol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>20

Product/substance	isopropyl alcohol
Route of exposure:	Oral
Test:	LD50
Result:	5849 mg/kg

Product/substance	isopropyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840 mg/kg

Product/substance	isopropyl alcohol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	12800 mg/kg

Product/substance	isopropyl alcohol
Route of exposure:	Inhalation
Test:	LC50
Result:	301002 mg/L

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

Skin corrosion/irritation

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours
Result:	Adverse effect observed (Corrosive)

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 404
Species:	Rabbit
Duration:	3 minutes
Result:	Adverse effect observed (Irritating)

Product/substance	isopropyl alcohol
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Product/substance	isopropyl alcohol
Species:	Rabbit
Result:	Adverse effect observed (Irritating)

Product/substance	isopropyl alcohol
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Causes serious eye damage)

Causes serious eye damage.

Respiratory sensitisation

Product/substance	isopropyl alcohol
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

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

Skin sensitisation

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 406
Result:	No adverse effect observed (not sensitising)

Product/substance	isopropyl alcohol
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

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

Germ cell mutagenicity

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 471
Species:	Bacteria, S. typhimurium
Conclusion:	No adverse effect observed

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 475
Species:	Rat
Conclusion:	No adverse effect observed

Product/substance	isopropyl alcohol
Conclusion:	No adverse effect observed

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

Product/substance	isopropyl alcohol
Route of exposure:	Oral

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

isopropyl alcohol has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	didecyldimethylammonium chloride
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50

Result:	0,19 mg/L

Product/substance	didecyldimethylammonium chloride
Species:	Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	0,062 mg/L

Product/substance	didecyldimethylammonium chloride
Species:	Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0,014 mg/L

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	0,026 mg/L

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 210
Species:	Fish, Danio rerio
Test:	NOEC
Result:	0,032 mg/L

Product/substance	didecyldimethylammonium chloride
Test method:	OECD 209
Species:	Bacteria
Duration:	3 hours
Test:	EC50
Result:	11 mg/L

Product/substance	didecyldimethylammonium chloride
Duration:	14 days
Test:	NOEC
Result:	>= 1 000 mg/kg

Product/substance	didecyldimethylammonium chloride
Species:	Andere waterorganismen
Duration:	14 days
Test:	EC50
Result:	283 - 1 670 mg/kg

Product/substance	isopropyl alcohol
Species:	Fish, Goudwinde (Leuciscus idus)
Duration:	48 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	isopropyl alcohol
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	isopropyl alcohol
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50

Result: >100 mg/L

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance didecyldimethylammonium chloride
Result: 72%
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance didecyldimethylammonium chloride
Duration: 28 days
Result: 93,3 %
Conclusion: -

Product/substance didecyldimethylammonium chloride
Result: 91 %
Conclusion: -
Test: OECD 303

Product/substance isopropyl alcohol
Result: 95%
Conclusion: Readily biodegradable
Test: OECD 301 E

12.3. Bioaccumulative potential

Product/substance isopropyl alcohol
BCF: <100
LogKow: <3
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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 8 – Corrosive
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 29* Detergents containing dangerous substances

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	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C9 	II	Yes	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C9 	II	Yes	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C9 	II	Yes	See below for additional information.

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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.
People under the age of 18 shall not be exposed to this product.

Demands for specific education:
No specific requirements.

SEVESO - Categories / dangerous substances:
E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Biocidal Products Regulations:
Product type: PT2 - Disinfectants and algaecides not intended for direct application to humans or animals, PT4 - Food and feed area, PT12 - Slimicide, PT11 - Preservative for liquid-cooling and processing systems

Restrictions on use:
-

Directions for use and dose rate:
-

Additional information:
-

REACH, Annex XVII:
isopropyl alcohol is subject to REACH restrictions (entry 40).

Additional information:
Not applicable.

Sources:
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
Working Conditions Act 1998 and latest Working Conditions Decree of 01-01-2021.
Major Accident Hazards Decree 2015.
Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.
Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (with subsequent amendments).
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
EUH071, Corrosive to the respiratory tract.
H225, Highly flammable liquid and vapour.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H400, Very toxic to aquatic life.
H410, Very toxic 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

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

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: NL-en