SAFETY DATA SHEET

i.3 easydose

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

1.1. Product identifier

▼*Trade name:*
i.3 easydose

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 and industrial use.

Uses advised against :
None known.

1.3. Details of the supplier of the safety data sheet

Company and address:
i-team UK
The Alima Centre, 35 Sefton St
L8 5SL Toxteth, Liverpool
United Kingdom
+44 1945 595177

E-mail:
info@hygeniq.com

Revision:
17/03/2026

SDS Version:
5.0

Date of previous version:
09/03/2026 (4.0)

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:
Not applicable.

Prevention:
Not applicable.

Response:
Not applicable.

Storage:
Not applicable.

Disposal:
Not applicable.

Hazardous substances:
Contains no substances that need to be listed on the label.

Additional labelling:
EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:
< 5%
· Anionic surfactants
· Non-ionic surfactants
· Perfumes (CAMPHOR)
· Perfumes (MENTHOL/L-MENTHOL)
· 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
Urea hydrochloride	CAS No.: 506-89-8 EC No.: 208-059-6 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	

dipropylene glycol methyl ether	CAS No.: 34590-94-8 EC No.: 252-104-2 UK-REACH: Index No.:	<1%		[1]
C10-16 Alcoholethoxylaat propoxylaat	CAS No.: 69227-22-1 EC No.: UK-REACH: Index No.:	<1%	Eye Irrit. 2, H319	
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	
Sodium N-methyl-N-(1-oxotetradecyl)aminoacetate	CAS No.: 30364-51-3 EC No.: 250-151-3 UK-REACH: Index No.:	<0.05%	Skin Irrit. 2, H315 (SCL: 30.00 %) Eye Dam. 1, H318	
Bornan-2-one	CAS No.: 76-22-2 EC No.: 200-945-0 UK-REACH: Index No.:	<0.05%	Flam. Sol. 2, H228 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 2, H371	[9]
L-menthol	CAS No.: 2216-51-5 EC No.: 218-690-9 UK-REACH: Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[9]
Isomenthone	CAS No.: 491-07-6 EC No.: 207-727-4 UK-REACH: Index No.:	<0.01%	Skin Irrit. 2, H315 Skin Sens. 1, H317	
(S)-p-mentha-1,8-diene; l-limonene	CAS No.: 5989-54-8 EC No.: 227-815-6 UK-REACH: Index No.:	<0.01%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
sodium hydroxide caustic soda	CAS No.: 1310-73-2 EC No.: 215-185-5 UK-REACH: Index No.: 011-002-00-6	<0.01%	Skin Corr. 1A, H314 (C ≥ 5%) Skin Corr. 1B, H314 (2% ≤ C < 5%) Skin Irrit. 2, H315 (0.5% ≤ C < 2%) Eye Irrit. 2, H319 (0.5% ≤ C < 2%)	

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

Other information

[1] European occupational exposure limit.
[9] Identified by EU as a fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

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:
Nitrogen oxides (NO_x)
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
Avoid contact during pregnancy and while nursing.
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
dipropylene glycol methyl ether
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m^3): 308
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

Bornan-2-one
Long term exposure limit (8 hours) (ppm): 2
Long term exposure limit (8 hours) (mg/m^3): 13
Short term exposure limit (15 minutes) (ppm): 3
Short term exposure limit (15 minutes) (mg/m^3): 19

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 bw/day
Long term – Systemic effects - General population	Dermal	20,83 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	34.72 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	5,7 mg/m^3

Long term – Local effects - Workers	Inhalation	8,07 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 – Local effects - General population	Oral	9,32 mg/kg bw/day
Short term – Systemic effects	Oral	9,23 mg/kg bw/day

Bornan-2-one

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	4.348 mg/m³
Long term – Systemic effects - Workers	Inhalation	17.632 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

dipropylene glycol methyl ether

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - Workers	Dermal	65
Long term – Systemic effects - General population	Dermal	121 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	15
Long term – Systemic effects - Workers	Dermal	283 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	37.2 mg/m³
Long term – Systemic effects - Workers	Inhalation	308 mg/m³
Long term – Systemic effects - General population	Oral	36 mg/kg bw/day

L-menthol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	9.4 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	19 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	33 mg/m³
Long term – Systemic effects - Workers	Inhalation	132 mg/m³
Short term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Oral	9.4 mg/kg bw/day

PNEC

2-phenoxyethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,943 mg/L
Freshwater sediment		7.2366 mg/kg TG
Intermittent release (freshwater)		3,44 mg/L
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 TG

Bornan-2-one

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		1.71 µg/L
Freshwater sediment		0.139 mg/kg
Intermittent release (freshwater)		17.1 µg/L
Intermittent release (marine water)		1.71 µg/L
Marine water		0.171 µg/L
Marine water sediment		0.017 mg/kg
Sewage treatment plant		1 mg/L
Soil		0.013 mg/kg

dipropylene glycol methyl ether

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		19 mg/L
Freshwater sediment		70.2 mg/kg
Intermittent release (freshwater)		190 mg/L
Marine water		1.9 mg/L
Marine water sediment		7.02 mg/kg
Sewage treatment plant		4.168 g/L
Soil		2.74 mg/kg

L-menthol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		15.6 µg/L
Freshwater sediment		289 µg/kg
Intermittent release (freshwater)		156 µg/L
Marine water		1.56 µg/L
Marine water sediment		28.9 µg/kg
Predators		83.3 mg/kg
Sewage treatment plant		2.37 mg/L
Soil		48.4 µg/kg

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	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

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:
Of perfume

pH:
ca. 2,05

Density (g/cm³):
1.01 (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	dipropylene glycol methyl ether
Test method:	OECD 401
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 402
Species:	Rabbit, male
Route of exposure:	Dermal
Test:	LD50
Result:	9510 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	2-phenoxyethanol
Species:	Rabbit, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	>2214 mg/kg

Product/substance	Bornan-2-one
Test method:	OECD 423
Species:	Rat, female
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	Bornan-2-one
Route of exposure:	Inhalation
Test:	LC50
Result:	1.5 mg/L

Product/substance	L-menthol
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	5,289 mg/L

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

Skin corrosion/irritation

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 404
Species:	Rabbit
Result:	No adverse effect observed (Not irritating)

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

Product/substance	2-phenoxyethanol
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours
Result:	No adverse effect observed (Not irritating)

Product/substance	Bornan-2-one
Test method:	OECD 439
Species:	Human
Duration:	1 hour
Result:	Adverse effect observed (Irritating)

Product/substance	L-menthol
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours
Result:	Adverse effect observed (Irritating)

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

Serious eye damage/irritation

Product/substance	dipropylene glycol methyl ether
Species:	Human
Result:	No adverse effect observed (Not irritating)

Product/substance	2-phenoxyethanol

Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	2-phenoxyethanol
Test method:	OECD 405
Species:	Rabbit
Duration:	15 days
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	Bornan-2-one
Test method:	OECD 439
Species:	Bovine
Duration:	4 hours
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	L-menthol
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Irritating)

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

Respiratory sensitisation

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

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

Skin sensitisation

Product/substance	dipropylene glycol methyl ether
Species:	Human
Result:	No adverse effect observed (not sensitising)

Product/substance	2-phenoxyethanol
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

Product/substance	L-menthol
Test method:	OECD 429
Species:	Mouse
Result:	No adverse effect observed (not sensitising)

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

Germ cell mutagenicity

Product/substance	dipropylene glycol methyl ether
Conclusion:	No adverse effect observed

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 473
Species:	Hamster, Chinese Hamster Lung (CHL)/IU
Conclusion:	No adverse effect observed

Product/substance	2-phenoxyethanol
Test method:	OECD 471
Species:	S. typhimurium
Description:	20-5000
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

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 416
Species:	Rat
Test:	NOAEL
Result:	300 ppm
Conclusion:	No adverse effect observed

Product/substance	dipropylene glycol methyl ether
Species:	Rabbit
Result:	300 ppm
Conclusion:	No adverse effect observed

Product/substance	2-phenoxyethanol
Species:	Mouse, male/female
Result:	1875 mg/kg bw

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

Product/substance	dipropylene glycol methyl ether
Route of exposure:	Oral
Target organ:	Central nervous system
Test:	LOAEL
Result:	>= 1000 mg/kg bw/day

Product/substance	dipropylene glycol methyl ether
Route of exposure:	Dermal
Target organ:	Central nervous system
Result:	> = 4750 mg/kg bw/day

Product/substance	dipropylene glycol methyl ether
Route of exposure:	Inhalation
Target organ:	Central nervous system
Result:	>= 300 ppm

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

Aspiration hazard

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

Symptoms related to the physical, chemical and toxicological characteristics

None known.

11.2. Information on other hazards

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	dipropylene glycol methyl ether
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	10.000 mg/L

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	1.919 mg/L

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	EC50
Result:	969 mg/L

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	NOEC
Result:	>969 mg/L

Product/substance	dipropylene glycol methyl ether
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	EC10
Result:	4168 mg/L

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 211
Species:	Crustacean, Daphnia magna
Duration:	22 days
Test:	NOEC
Result:	0,5 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	2-phenoxyethanol
Species:	Fish, Pimephales promelas
Duration:	96 hours
Result:	344 mg/L

Product/substance	2-phenoxyethanol
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Result:	>500 mg/L

Product/substance	2-phenoxyethanol
Test method:	Richtlijn 67/548/EEG, Bijlage V, C.1.
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Result:	625 mg/L

Product/substance	2-phenoxyethanol
Test method:	OECD 211
Species:	Daphnia, Daphnia magna
Test:	NOEC
Result:	9,43 mg/L

Product/substance	2-phenoxyethanol
Species:	Algae
Test:	EC50
Result:	107 mg/kg

Product/substance	2-phenoxyethanol
Test:	EC50
Result:	37 mg/kg

Product/substance	Bornan-2-one
Test method:	OECD 203
Species:	Fish, Danio rerio
Duration:	96 hours
Test:	LC50

Result:	33,25 mg/L

Product/substance	Bornan-2-one
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	4,23 mg/L

Product/substance	Bornan-2-one
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	1,71 mg/L

Product/substance	Bornan-2-one
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOEC
Result:	0,032 mg/L

Product/substance	Bornan-2-one
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	L-menthol
Test method:	Richtlijn 67/548/EEG, Bijlage V, C.1.
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	15,6 mg/L

Product/substance	L-menthol
Test method:	OECD 202
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	26,6 mg/L

Product/substance	L-menthol
Test method:	OECD 201
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	21,4 mg/L

Product/substance	L-menthol
Test method:	OECD 209
Species:	Bacteria
Duration:	3 hours

Test:	EC50
Result:	273 mg/L

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

12.2. Persistence and degradability

Product/substance	dipropylene glycol methyl ether
Result:	96%
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	dipropylene glycol methyl ether
Compartment:	Activated Sludge Plant
Result:	75 %
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	dipropylene glycol methyl ether
Compartment:	Activated Sludge Plant
Duration:	28 days
Result:	76%
Conclusion:	Readily biodegradable
Test:	OECD 301 F

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

Product/substance	2-phenoxyethanol
Compartment:	Activated Sludge Plant
Duration:	28 days
Result:	90 %
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	2-phenoxyethanol
Compartment:	Activated Sludge Plant
Result:	> 90 %
Conclusion:	Readily biodegradable

Product/substance	Bornan-2-one
Result:	85%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	L-menthol
Result:	92%
Conclusion:	-
Test:	OECD 301 D

12.3. Bioaccumulative potential

Product/substance	dipropylene glycol methyl ether
LogKow:	0,004
Conclusion:	Bioaccumulation is not expected

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/ADN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information

Not dangerous goods according to ADR/ADN/RID, 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.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:
No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:
Not applicable.

UK-REACH, Annex XVII:
Bornan-2-one is subject to UK-REACH restrictions (entry 40).

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:
< 5%
· Anionic surfactants
· Non-ionic surfactants
· Perfumes (CAMPHOR)
· Perfumes (MENTHOL/L-MENTHOL)
· Preservation agent (PHENOXYETHANOL)

Additional information:
Not applicable.

Sources:
The Health and Safety at Work etc. Act 1974 Regulations 2013.
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
H226, Flammable liquid and vapour.
H228, Flammable solid.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H371, May cause damage to organs.
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
EC = Effective concentration
ED = Effective dose
EINECS = European Inventory of Existing Commercial chemical Substances
EL = Effective Loading
ErC = Concentration associated with x% growth rate response
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
HP = Hazardous Property code
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IC = X maximum inhibitory concentration
IMDG = International Maritime Dangerous Goods
LC = Lethal concentration
LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans
LD = Lethal dose
LOAEC = Lowest Observed Adverse Effect Concentration
LOAEL = Lowest Observed Adverse Effect Level
LOEC = Lowest Observed Effect Concentration
LogKow = logarithm of the n-octanol/water coefficient
LL = Lethal Loading
M = For multiplication factor
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOAEC = No Observed Adverse Effect Concentration
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOELR = No Observable Effect Loading Rate
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