

SAFETY DATA SHEET

iL.43 toilet and urinal descaler

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

1.1. Product identifier

Trade name:

iL.43 toilet and urinal descaler

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-hygienic B.V.

Lenteweg 15

7532 RV Enschede

Nederland

+31534282860

E-mail:

info@hygeniq.com

Revision:

27/01/2026

SDS Version:

1.0

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

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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:

Does not contain any substances required to report

Additional labelling:

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 (CAMPBOR)
- 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
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According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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	
dipropylene glycol methyl ether	CAS No.: 34590-94-8 EC No.: 252-104-2 UK-REACH: Index No.:	<1%		[1]
C10-16 Alcholethoxylaat propoxylaat	CAS No.: 69227-22-1 EC No.: UK-REACH: Index No.:	<1%	Eye Irrit. 2, H319	
Xanthan gum	CAS No.: 11138-66-2 EC No.: 234-394-2 UK-REACH: Index No.:	<1%		
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	
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:

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.

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

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

dipropylene glycol methyl ether

Long term exposure limit (8 hours) (ppm): 50

Long term exposure limit (8 hours) (mg/m³): 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/m³): 13

Short term exposure limit (15 minutes) (ppm): 3

Short term exposure limit (15 minutes) (mg/m³): 19

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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/m ³
Long term – Systemic effects	Inhalation	2,41 mg/m ³
Long term – Systemic effects - Workers	Inhalation	5,7 mg/m ³
Long term – Systemic effects - Workers	Inhalation	8.07 mg/m ³
Long term	Oral	9,23 mg/kg

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/m ³
Long term – Systemic effects - Workers	Inhalation	17.632 mg/m ³
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/m ³
Long term – Systemic effects - Workers	Inhalation	308 mg/m ³
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/m ³
Long term – Systemic effects - General population	Inhalation	33 mg/m ³
Long term – Systemic effects - Workers	Inhalation	132 mg/m ³
Short term – Local effects - Workers	Inhalation	10 mg/m ³

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Long term – Systemic effects - General population	Oral	9.4 mg/kg bw/day
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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

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

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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:

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 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:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
No special when used as intended	-	-	-	
Nitrile	0.4	> 480	EN374-2, EN16523-1, EN388	

Eye protection:

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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:

Pink

Odour / Odour threshold:

Of perfume

pH:

2.1

Density (g/cm³):

1.02 (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.

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

Product/substance	2-phenoxyethanol
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According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Species:	Rabbit
Route of exposure:	Dermal
Result:	>5000 mg/kg

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	9510 mg/kg

Product/substance	Bornan-2-one
Test method:	OECD 423
Species:	Rat
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 for the mixture, the classification criteria are not met.

Skin corrosion/irritation

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

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 404
Species:	Rabbit
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)

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

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

Serious eye damage/irritation

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

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

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 for the mixture, the classification criteria are not met.

Respiratory sensitisation

Based on available data for the mixture, 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	L-menthol
Test method:	OECD 429
Species:	Mouse
Result:	No adverse effect observed (not sensitising)

Based on available data for the mixture, 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
Conclusion:	No adverse effect observed

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

Carcinogenicity

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Based on available data for the mixture, 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

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

STOT-single exposure

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

Aspiration hazard

Based on available data for the mixture, 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

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

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

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

Product/substance	dipropylene glycol methyl ether
Test method:	OECD 201
Species:	Algae
Duration:	96 hours

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Test:
Result: NOEC
>969 mg/L

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

Product/substance: dipropylene glycol methyl ether
Test method: OECD 211
Species: Crustacean
Duration: 22 days
Test: NOEC
Result: 0,5 mg/L

Product/substance: Bornan-2-one
Test method: OECD 203
Species: Fish
Duration: 96 hours
Test: LC50
Result: 33,25 mg/L

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

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

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

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

Product/substance: L-menthol

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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 for the mixture, the classification criteria are not met.

12.2. Persistence and degradability

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

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

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

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

Product/substance	Bornan-2-one
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According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Result: 85%
Conclusion: -
Test: OECD 301 B

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

12.3. Bioaccumulative potential

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

Product/substance dipropylene glycol methyl ether
LogKow: 0,004
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	-	-	-	-	-	-

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
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:

Industrial use only.

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 (CAMPBOR)
- 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

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.

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

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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