

SAFETY DATA SHEET

i.43 easydose

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

1.1. Product identifier

Trade name:
i.43 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:
29/06/2026

SDS Version:
6.0

Date of previous version:
17/03/2026 (5.0)

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% - <15%

· Non-ionic surfactants

< 5%

· Perfumes (CAMPBOR)

· Perfumes (MENTHOL/L-MENTHOL)

· Preservation agent (SODIUM BENZOATE)

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
citric acid	CAS No.: 77-92-9 EC No.: 201-069-1 UK-REACH: 01-2119457026-42-XXXX Index No.: 607-750-00-3	5-10%	Eye Irrit. 2, H319 STOT SE 3, H335	

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

Tri-sodium citrate dihydrate	CAS No.: 6132-04-3 EC No.: 612-118-5 UK-REACH: Index No.:	1-3%		
propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 (SCL≥20%)	
Sodium glucoheptonate	CAS No.: 31138-65-5 EC No.: 250-480-2 UK-REACH: Index No.:	1-3%		
Xanthan gum	CAS No.: 11138-66-2 EC No.: 234-394-2 UK-REACH: Index No.:	<1%		
Sodium benzoate	CAS No.: 532-32-1 EC No.: 208-534-8 UK-REACH: 01-2119460683-35-0000 Index No.:	<1%	Eye Irrit. 2, H319	
Bornan-2-one	CAS No.: 76-22-2 EC No.: 200-945-0 UK-REACH: 01-2119966156-31-XXXX 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: 01-2119458866-21-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[9]
2-isopropyl-5-methylcyclohexanone	CAS No.: 89-80-5 EC No.: 201-941-1 UK-REACH: 01-2120741994-43-XXXX Index No.:	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	
(S)-p-mentha-1,8-diene; l-limonene	CAS No.: 5989-54-8 EC No.: 227-815-6 UK-REACH: 01-2119958629-18-XXXX 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)	
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	

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

Other information

[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:

Carbon oxides (CO / CO₂)

Some metal oxides

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

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.

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

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

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

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

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	5 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
Long term – Systemic effects - General population	Oral	9.4 mg/kg bw/day

propan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg
Long term – Systemic effects - Workers	Dermal	888 mg/kg
Long term – Systemic effects - General population	Inhalation	89 mg/m ³
Long term – Systemic effects - Workers	Inhalation	500 mg/m ³
Short term – Systemic effects - General population	Inhalation	178 mg/m ³
Short term – Systemic effects - Workers	Inhalation	1,000 mg/m ³
Long term – Systemic effects - General population	Oral	26 mg/kg
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

Sodium benzoate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	2,7 mg/cm ²
Long term – Local effects - Workers	Dermal	4,5 mg/cm ²
Long term – Systemic effects - General population	Dermal	20,8 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	31.25 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	34,7 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	62.5 mg/kg bw/day
Long term – Local effects - General population	Inhalation	1,3 mg/m ³
Long term – Local effects - General population	Inhalation	0.06 mg/m ³
Long term – Local effects - Workers	Inhalation	6,3 mg/m ³
Long term – Local effects - Workers	Inhalation	0.1 mg/m ³
Long term – Systemic effects - General population	Inhalation	2,1 mg/m ³
Long term – Systemic effects - General population	Inhalation	1.5 mg/m ³
Long term – Systemic effects - Workers	Inhalation	10,4 mg/m ³
Long term – Systemic effects - Workers	Inhalation	3 mg/m ³
Long term – Systemic effects - General population	Oral	25 mg/kg bw/day
Long term – Systemic effects - General population	Oral	16.6 mg/kg bw/day

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

▼ PNEC

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

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

propan-2-ol

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
Predators		160 mg/kg
Sewage treatment plant		2251 mg/L
Soil		28 mg/kg

Sodium benzoate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.581 mg/L
Freshwater		0.13 mg/kg
Freshwater		0,13 mg/L
Freshwater sediment		2.5 mg/kg
Freshwater sediment		1.76 mg/kg
Intermittent release		0,305 mg/L

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

Intermittent release (freshwater)		0.058 mg/L
Intermittent release (marine water)		0.006 µg/L
Marine water		0.058 mg/L
Marine water		0.013 mg/L
Marine water		0,013 mg/L
Marine water sediment		0.25 mg/kg
Marine water sediment		0.176 mg/kg
Predators		300 mg/kg
Sewage treatment plant		10 mg/L
Soil		0.159 mg/kg
Soil		0.06 mg/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:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
No special when used as intended	-	-	-	

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:*

Dark Yellow

Odour / Odour threshold:

Of perfume

pH:

3,7

Density (g/cm³):

1.05 (20 °C)

Kinematic viscosity:

500 mPa.s

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	citric acid
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	5400 mg/kg

Product/substance	citric acid
Species:	Rat

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

Route of exposure: Dermal
Test: LD50
Result: 2000 mg/kg

Product/substance propan-2-ol
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg

Product/substance propan-2-ol
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: >20

Product/substance propan-2-ol
Route of exposure: Oral
Test: LD50
Result: 5849 mg/kg

Product/substance propan-2-ol
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 5840 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: 12800 mg/kg

Product/substance propan-2-ol
Route of exposure: Inhalation
Test: LC50
Result: 301002 mg/L

Product/substance propan-2-ol
Species: Rat
Route of exposure: Oral
Test: LD50
Result: > 5000 mg/kg

Product/substance propan-2-ol
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >5000 mg/kg

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

Product/substance	Sodium benzoate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3450 mg/kg

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

Product/substance	Sodium benzoate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	> 12200 mg/m ³

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, male/female
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	propan-2-ol
Test method:	OECD 404
Species:	Rabbit
Duration:	4 hours

Product/substance	Sodium benzoate
Result:	Adverse effect observed (Slightly 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

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

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: citric acid
Result: Adverse effect observed (Irritating)

Product/substance: propan-2-ol
Species: Rabbit
Result: Adverse effect observed (Irritating)

Product/substance: propan-2-ol
Test method: OECD 405
Species: Rabbit
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: propan-2-ol
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

Product/substance: Sodium benzoate
Species: Mouse
Result: No adverse effect observed (not sensitising)

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

Skin sensitisation

Product/substance: propan-2-ol
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: propan-2-ol
Test method: OECD 474

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

Conclusion: No adverse effect observed

Product/substance: Sodium benzoate
Test method: OECD 471
Species: Bacteria, *S. typhimurium*
Conclusion: No adverse effect observed

Product/substance: Sodium benzoate
Test method: OECD 475
Species: Rat
Conclusion: No adverse effect observed

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

▼ Carcinogenicity

Product/substance: Sodium benzoate
Species: Rat, male/female
Route of exposure: Oral
Test: NOAEL
Result: > 1000 mg/kg bw/day
Conclusion: No adverse effect observed

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: citric acid
Conclusion: Adverse effect observed

Product/substance: propan-2-ol
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.

Symptoms related to the physical, chemical and toxicological characteristics

None known.

11.2. Information on other hazards

▼ Endocrine disrupting properties

Product/substance: Sodium benzoate
Conclusion: No adverse effect observed

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

Other information

propan-2-ol has been classified by IARC as a group 3.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼ Toxicity

Product/substance: citric acid

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

Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	440 - 706 mg/L
Product/substance	citric acid
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	1535 mg/L
Product/substance	propan-2-ol
Species:	Fish, Goudwinde (<i>Leuciscus idus</i>)
Duration:	48 hours
Test:	LC50
Result:	>100 mg/L
Product/substance	propan-2-ol
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L
Product/substance	propan-2-ol
Test method:	OECD 201
Species:	Algae, <i>Scenedesmus subspicatus</i>
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L
Product/substance	propan-2-ol
Species:	Fish
Test:	LC50
Result:	10000 mg/L
Product/substance	propan-2-ol
Species:	Daphnia, Daphnia magna
Duration:	24 hours
Test:	LC50
Result:	>10000 mg/L
Product/substance	propan-2-ol
Test method:	OECD 203
Species:	Daphnia, <i>Pimephales promelas</i>
Duration:	96 hours
Test:	LC50
Result:	9640 mg/L
Product/substance	propan-2-ol
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	13300 mg/L

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

Product/substance: Sodium benzoate
Test method: OECD 203
Species: Fish
Duration: 96 hours
Test: LC50
Result: > 100 mg/L

Product/substance: Sodium benzoate
Test method: OECD 202
Species: Crustacean, Daphnia magna
Duration: 48 hours
Test: EC50
Result: >100 mg/L

Product/substance: Sodium benzoate
Species: Bacteria, Achromobacter sp.
Duration: 24 hours
Test: EC50
Result: >100 mg/L

Product/substance: Sodium benzoate
Test method: OECD 211
Species: Crustacean, Daphnia magna
Duration: 21 days
Test: NOEC
Result: 51 mg/L

Product/substance: Sodium benzoate
Test method: OECD 201
Species: Algae
Duration: 72 hours
Test: ErC50
Result: >100 mg/L

Product/substance: Sodium benzoate
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 484 mg/L

Product/substance: Sodium benzoate
Species: Fish, Brachydanio rerio
Test: NOEC
Result: 10 mg/L

Product/substance: Sodium benzoate
Species: Fish, Brachydanio rerio
Test: LOEC
Result: 100 mg/L

Product/substance: Sodium benzoate
Test method: OECD 201
Species: Algae, Pseudokirchneriella subcapitata
Duration: 72 hours
Test: ErC50

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

Result: 6.5 mg/L

Product/substance: Sodium benzoate
Species: Daphnia, Daphnia magna
Compartment: Predators
Duration: 96 hours
Test: LC50
Result: > 100 mg/L

Product/substance: Sodium benzoate
Test method: OECD 201
Species: Algae, Pseudokirchneriella subcapitata
Duration: 72 hours
Test: EC50
Result: > 30,5 mg/L

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, Danio rerio
Duration: 96 hours

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

Test: LC50
Result: 15,6 mg/L

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

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

Product/substance L-menthol
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
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 propan-2-ol
Duration: 21 days
Result: 95%
Conclusion: Readily biodegradable
Test: OECD 301 E

Product/substance propan-2-ol
Duration: 5 days
Result: 53 %
Conclusion: Readily biodegradable

Product/substance propan-2-ol
Result: 70-84 %
Conclusion: Readily biodegradable

Product/substance Sodium benzoate
Duration: 28 days
Result: 88 %
Conclusion: Readily biodegradable

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

Product/substance L-menthol
Result: 92%
Conclusion: Readily biodegradable

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

Test: OECD 301 D

12.3. Bioaccumulative potential

Product/substance citric acid
LogKow: -1.8 - -0.2
Conclusion: Readily biodegradable

Product/substance propan-2-ol
BCF: <100
LogKow: <3
Conclusion: -

Product/substance Sodium benzoate
LogKow: -2,27
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

Product/substance Sodium benzoate
Conclusion: No adverse effect observed

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/A DN/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.

Demands for specific education:

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:

Not applicable.

UK-REACH, Annex XVII:

propan-2-ol is subject to UK-REACH restrictions (entry 40).

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% - <15%

· Non-ionic surfactants

< 5%

· Perfumes (CAMPBOR)

· Perfumes (MENTHOL/L-MENTHOL)

· Preservation agent (SODIUM BENZOATE)

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

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H228, Flammable solid.

H302, Harmful if swallowed.

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.
H336, May cause drowsiness or dizziness.
H371, May cause damage to organs.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
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
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