

SAFETY DATA SHEET

iL.80 dish soap lemon

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

1.1. Product identifier

Trade name:

iL.80 dish soap lemon

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:

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%

- Amphoteric surfactants
- Perfumes (D-LIMONENE)
- 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
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According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 9.90 %) Aquatic Chronic 3, H412	[19]
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts	CAS No.: 147170-44-3 EC No.: 604-575-4 UK-REACH: Index No.:	1-3%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 4.00 %) Aquatic Chronic 3, H412	[19]
Sodium benzoate	CAS No.: 532-32-1 EC No.: 208-534-8 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
Tri-sodium citrate dihydrate	CAS No.: 6132-04-3 EC No.: 612-118-5 UK-REACH: Index No.:	<1%		
ethanol ethyl alcohol	CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: Index No.: 603-002-00-5	<0.25%	Flam. Liq. 2, H225	
citric acid	CAS No.: 5949-29-1 EC No.: 201-069-1 UK-REACH: Index No.: 607-750-00-3	<0.1%	Eye Irrit. 2, H319 STOT SE 3, H335	
(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene	CAS No.: 5989-27-5 EC No.: 227-813-5 UK-REACH: Index No.: 601-096-00-2	<0.05%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	[9]
propan-2-ol isopropyl alcohol isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	<0.01%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	CAS No.: 1934-21-0 EC No.: 217-699-5 UK-REACH: Index No.:	<0.0015%		
Denatonium benzoate	CAS No.: 3734-33-6 EC No.: 223-095-2 UK-REACH: Index No.:	<0.000001%	Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332	

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)

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

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

Inhalation:

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

Skin contact:

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

Eye contact:

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

Ingestion:

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

Burns:

Not applicable.

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

None known.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

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

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

ethanol ethyl alcohol

Long term exposure limit (8 hours) (ppm): 1000

Long term exposure limit (8 hours) (mg/m³): 1920

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

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

DNEL

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	4.8 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	9.5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	16.6 mg/m ³
Long term – Systemic effects - Workers	Inhalation	66.7 mg/m ³
Long term – Systemic effects - General population	Oral	4.8 mg/kg bw/day

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	79 µg/cm ²
Long term – Local effects - General population	Dermal	79 µg/cm ²
Long term – Local effects - Workers	Dermal	132 µg/cm ²
Long term – Local effects - Workers	Dermal	132 µg/cm ²
Long term – Systemic effects - General population	Dermal	1650 mg/kg
Long term – Systemic effects - General population	Dermal	40.178 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2750 mg/kg
Long term – Systemic effects - Workers	Dermal	80.357 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	52 mg/m ³
Long term – Systemic effects - General population	Inhalation	1.4 mg/m ³
Long term – Systemic effects - Workers	Inhalation	175 mg/m ³
Long term – Systemic effects - Workers	Inhalation	7.9 mg/m ³
Long term – Systemic effects - General population	Oral	15 mg/kg
Long term – Systemic effects - General population	Oral	1.125 mg/kg bw/day
	Via the eye	
Short term – Local effects - General population	Via the eye	

ethanol ethyl alcohol

Duration:	Route of exposure:	DNEL:
Long term		260 mg/m ³
Long term – Systemic effects - General population	Dermal	206 mg/kg
Long term – Systemic effects - Workers	Dermal	343 mg/kg
Long term – Systemic effects - General population	Inhalation	114 mg/m ³
Long term – Systemic effects - Workers	Inhalation	380 mg/m ³
Long term – Systemic effects - Workers	Inhalation	950 mg/m ³
Short term – Local effects - General population	Inhalation	950 mg/m ³
Short term – Local effects - Workers	Inhalation	1900 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	87 mg/kg
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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

PNEC

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		14 µg/L
Freshwater sediment		3.85 mg/kg
Marine water		1.4 µg/L
Marine water sediment		0.385 mg/kg
Predators		133 mg/kg
Sewage treatment plant		1.8 mg/L
Soil		0.763 mg/kg

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.24 mg/L
Freshwater		52-240 µg/L
Freshwater sediment		0.917 mg/kg
Freshwater sediment		200-916.8 µg/kg
Intermittent release (freshwater)		71 µg/L

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

Marine water		0.024 mg/L
Marine water		5.2-24 µg/L
Marine water sediment		0.092 mg/kg
Marine water sediment		20-91.7 µg/kg
Sewage treatment plant		10 g/L
Sewage treatment plant		1-10 g/L
Soil		7.5 mg/kg
Soil		7.5 mg/kg

ethanol ethyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.96 mg/L
Freshwater sediment		3.6 mg/kg
Intermittent release (freshwater)		2.75 mg/L
Marine water		0.79 mg/L
Marine water sediment		2.9 mg/kg
Predators		0.38 g/kg
Predators		0.72 mg/kg
Sewage treatment plant		580 mg/L
Soil		0.63 mg/kg

Sodium benzoate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.581 mg/L
Freshwater		0.13 mg/kg
Freshwater sediment		2.5 mg/kg
Freshwater sediment		1.76 mg/kg
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 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.

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

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.	-	
When there is risk of splash- / intermittent exposure	Safety glasses	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Yellow

Odour / Odour threshold:

Of perfume

pH:

ca. 5,8

Density (g/cm³):

1.03 (20 °C)

Kinematic viscosity:

185 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):

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

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	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

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

Product/substance

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

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

Test method: OECD 402
Species: Rat
Route of exposure: Dermal
Test: LD50
Result: >2.000 mg/kg

Product/substance 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/m³

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 423
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >5000 mg/kg

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

Skin corrosion/irritation

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Result: Adverse effect observed (Irritating)

Product/substance Sodium benzoate
Result: No adverse effect observed (Not irritating)

Product/substance ethanol ethyl alcohol
Test method: OECD 404
Species: Rabbit

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

Result: No adverse effect observed (Not irritating)

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Test method: OECD 404

Species: Rabbit

Duration: 4 hours

Result: Adverse effect observed (Slightly irritating)

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

Serious eye damage/irritation

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Result: Adverse effect observed (Causes serious eye damage)

Product/substance

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

Result: Adverse effect observed (Causes serious eye damage)

Product/substance

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

Test method: OECD 404

Species: Rabbit

Result: Adverse effect observed (Slightly irritating)

Product/substance

Sodium benzoate

Result: Adverse effect observed (Irritating)

Product/substance

ethanol ethyl alcohol

Test method: OECD 405

Species: Rabbit

Result: Adverse effect observed (Irritating)

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Species: Rabbit

Result: No adverse effect observed (Not irritating)

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

Respiratory sensitisation

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Species: Guinea pig

Result: No adverse effect observed (not sensitising)

Product/substance

Sodium benzoate

Result: No adverse effect observed (not sensitising)

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

Skin sensitisation

Product/substance

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

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

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

Germ cell mutagenicity

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method: OECD 471
Species: Bacteria
Conclusion: No adverse effect observed

Product/substance ethanol ethyl alcohol
Test method: OECD 471
Conclusion: No adverse effect observed

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

Carcinogenicity

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 451
Species: Mouse
Route of exposure: Oral
Test: NOAEL
Result: 250-500 mg/kg

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 451
Species: Mouse
Route of exposure: Oral
Test: NOAEL
Result: 500-1000 mg/kg

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

Reproductive toxicity

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 (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 408
Species: Rat
Route of exposure: Oral
Duration: 90 days
Test: NOAEL
Result: 600 mg/kg

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

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Test method: OECD 408

Species: Mouse

Route of exposure: Oral

Duration: 90 days

Test: NOAEL

Result: 500 mg/kg

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

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 203
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 201
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	27.7 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 202
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	7.4 mg/L

Product/substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method:	OECD 203
Species:	Fish

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

Duration: 96 hours
Test: LC50
Result: 7.1 mg/L

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Test method: OECD 201
Species: Algae
Duration: 72 hours
Test: NOEC
Result: 0.95 mg/L

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

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

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

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

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

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

Product/substance 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts
Test method: OECD 211
Species: Crustacean
Test: NOEC
Result: >0,1-1 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
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

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

Product/substance	Sodium benzoate
Test method:	OECD 211
Species:	Crustacean
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
Duration:	96 hours
Test:	LC50
Result:	484 mg/L

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

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

Product/substance	Sodium benzoate
Test method:	OECD 201

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

Species: Algae
Duration: 72 hours
Test: ErC50
Result: 6.5 mg/L

Product/substance ethanol ethyl alcohol
Test method: OECD 203
Species: Fish
Duration: 48 hours
Test: LC50
Result: > 100 mg/L

Product/substance ethanol ethyl alcohol
Test method: OECD 202
Species: Daphnia
Duration: 24 hours
Test: EC50
Result: > 100 mg/L

Product/substance ethanol ethyl alcohol
Species: Algae
Test: EC50
Result: > 100 mg/L

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 203
Species: Fish
Duration: 96 hours
Test: LC50
Result: 0,72 mg/L

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 202
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: 0,307 mg/L

Product/substance (R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene
Test method: OECD 201
Species: Algae
Duration: 72 hours
Test: ErC50
Result: 0,32 mg/L

Product/substance

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

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Test method: OECD 201
Species: Algae
Duration: 72 hours
Test: EC10
Result: 0,174 mg/L

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Test method: OECD 209
Species: Bacteria
Result: 3,94 mg/L

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

12.2. Persistence and degradability

Product/substance

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

Conclusion: -

Product/substance Sodium benzoate
Conclusion: -

Product/substance ethanol ethyl alcohol
Duration: 5 days
Result: > 70 %
Conclusion: -
Test: OECD 301 D

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

Result: 71%
Conclusion: -
Test: OECD 301 B

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Conclusion: -

Product/substance Sodium benzoate
LogKow: -2,27
Conclusion: -

Product/substance

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene

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

BCF: 690.1
LogKow: 4.38
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 informatio n:
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:

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:

ethanol ethyl alcohol is subject to UK-REACH restrictions (entry 40).

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene 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%

- Amphoteric surfactants
- Perfumes (D-LIMONENE)
- Preservation agent (SODIUM BENZOATE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

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.

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

H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H400, Very toxic to aquatic life.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

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

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