SAFETY DATA SHEET

# iP.12 easydose

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

### 1.1. Product identifier

▼*Trade name:*
iP.12 easydose

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

▼*Relevant identified uses of the substance or mixture:*
Cosmetic product
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:*
24/03/2026

*SDS Version:*
2.0

*Date of previous version:*
05/06/2025 (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

### 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:*
Alcohols, C12-14, ethoxylated, sulfates, sodium salts
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts
2-phenoxyethanol
p-menth-1-en-4-ol
p-mentha-1,3-diene

▼*Additional labelling:*

### 2.3. Other hazards

*Additional warnings:*
Cosmetic products are exempt classification rules, but must comply with the cosmetics legislation.
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 |
|---|---|---|---|---|
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS No.: 68891-38-3<br>EC No.: 500-234-8<br>UK-REACH:<br>Index No.: | 5-10% | Skin Irrit. 2, H315<br>Eye Dam. 1, H318 (C ≥ 10.0%)<br>Eye Irrit. 2, H319 (5.0% ≤ C < 10.0%) | [19] |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N- | CAS No.:<br>EC No.: 931-513-6 | 1-3% | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 | |

| | | | | |
|---|---|---|---|---|
| dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts | UK-REACH:<br>Index No.: | | | |
| 2-phenoxyethanol | CAS No.: 122-99-6<br>EC No.: 204-589-7<br>UK-REACH:<br>Index No.: 603-098-00-9 | 1-3% | Acute Tox. 4, H302 (ATE: 1394.00 mg/kg)<br>Eye Dam. 1, H318<br>STOT SE 3, H335 | |
| Lanolin, ethoxylated | CAS No.: 61790-81-6<br>EC No.: 612-384-2<br>UK-REACH:<br>Index No.: | <1% | | |
| p-menth-1-en-4-ol | CAS No.: 562-74-3<br>EC No.: 209-235-5<br>UK-REACH:<br>Index No.: | <0.25% | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332<br>STOT SE 3, H336 | |
| p-mentha-1,4-diene | CAS No.: 99-85-4<br>EC No.: 202-794-6<br>UK-REACH:<br>Index No.: | <0.25% | Flam. Liq. 3, H226<br>Repr. 2, H361<br>Aquatic Chronic 2, H411 | |
| L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid | CAS No.: 79-33-4<br>EC No.: 201-196-2<br>UK-REACH:<br>Index No.: 607-743-00-5 | <0.05% | EUH071<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318 | |
| p-mentha-1,3-diene | CAS No.: 99-86-5<br>EC No.: 202-795-1<br>UK-REACH:<br>Index No.: 601-095-00-7 | <0.05% | Flam. Liq. 3, H226<br>Acute Tox. 4, H302 (1680.0 mg/kg bw)<br>Asp. Tox. 1, H304<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 | [9] |
| p-menth-1-en-8-ol | CAS No.: 98-55-5<br>EC No.: 204-263-4<br>UK-REACH:<br>Index No.: | <0.05% | Repr. 2, H361d<br>Aquatic Chronic 1, H410 (M=1) | [9] |
| p-mentha-1,4(8)-diene | CAS No.: 586-62-9<br>EC No.: 209-578-0<br>UK-REACH:<br>Index No.: | <0.05% | Asp. Tox. 1, H304<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) | [9] |
| Pin-2(3)-ene | CAS No.: 80-56-8<br>EC No.: 201-291-9<br>UK-REACH:<br>Index No.: | <0.05% | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) | [9] |

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:*
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.
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**
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:*
No specific requirements.

*Incompatible materials:*
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**7.3. Specific end use(s)**
This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. ▼Control parameters**
No substances are listed in the national list of substances with an occupational exposure limit.

**▼DNEL**
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 7,5 mg/kg/day |
| Long term – Systemic effects - Workers | Dermal | 12,5 mg/kg/day |
| Long term – Systemic effects - Workers | Inhalation | 44 mg/m³ |
| Long term – Systemic effects - General population | Oral | 7,5 mg/kg/day |

2-phenoxyethanol

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects | Dermal | 10,42 mg/kg bw/day |
| Long term – Systemic effects - General population | Dermal | 20,83 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 34.72 mg/kg bw/day |
| Long term – Local effects - Workers | Inhalation | 5,7 mg/m³ |
| Long term – Local effects - Workers | Inhalation | 8,07 mg/m³ |
| Long term – Systemic effects | Inhalation | 2,41 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 5,7 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 8.07 mg/m³ |
| Long term – Local effects - General population | Oral | 9,32 mg/kg bw/day |
| Short term – Systemic effects | Oral | 9,23 mg/kg bw/day |

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

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Local effects - General population | Dermal | 79 µg/cm² |
| Long term – Local effects - General population | Dermal | 79 µg/cm² |
| Long term – Local effects - Workers | Dermal | 132 µg/cm² |
| Long term – Local effects - Workers | Dermal | 132 µg/cm² |
| Long term – Systemic effects - General population | Dermal | 2,500 mg/kg bw/day |
| Long term – Systemic effects - General population | Dermal | 1650 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 5,830 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 2750 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 87.1 mg/m³ |
| Long term – Systemic effects - General population | Inhalation | 52 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 411 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 175 mg/m³ |
| Long term – Systemic effects - General population | Oral | 25 mg/kg bw/day |
| Long term – Systemic effects - General population | Oral | 15 mg/kg bw/day |
| | Via the eye | |
| Short term – Local effects - General population | Via the eye | |

p-mentha-1,3-diene

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 0.417 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 0.833 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 0.725 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 2.939 mg/m³ |
| Long term – Systemic effects - General population | Oral | 0.417 mg/kg bw/day |

p-mentha-1,4-diene

| Duration: | Route of exposure: | DNEL: |
|---|---|---|

| | | |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 0.417 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 0.833 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 0.725 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 2.939 mg/m³ |
| Long term – Systemic effects - General population | Oral | 0.417 mg/kg bw/day |

p-mentha-1,4(8)-diene

| **Duration:** | **Route of exposure:** | **DNEL:** |
|---|---|---|
| Long term – Local effects - Workers | Dermal | 44 µg/cm² |
| Long term – Systemic effects - General population | Dermal | 0.26 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 0.52 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 0.9 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 3.6 mg/m³ |
| Long term – Systemic effects - General population | Oral | 0.26 mg/kg bw/day |

Pin-2(3)-ene

| **Duration:** | **Route of exposure:** | **DNEL:** |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 0.3 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 0.84 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 0.674 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 3.8 mg/m³ |
| Long term – Systemic effects - General population | Oral | 0.3 mg/kg bw/day |

**▼PNEC**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0,0135 mg/L |
| Freshwater sediment | | 1 mg/kg |
| Marine water | | 0,00135 mg/L |
| Marine water sediment | | 0,1 mg/kg |
| Sewage treatment plant | | 3000 mg/L |
| Soil | | 0,8 mg/kg |

2-phenoxyethanol

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0,943 mg/L |
| Freshwater sediment | | 7.2366 mg/kg TG |
| Intermittent release (freshwater) | | 3,44 mg/L |
| Marine water | | 0.0943 mg/L |
| Marine water sediment | | 0,7237 mg/kg |
| Sewage treatment plant | | 24,8 mg/L |
| Sewage treatment plant | Single | 36 mg/L |

| | | |
|---|---|---|
| Soil | | 1,26 mg/kg TG |

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

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0.129 mg/L |
| Freshwater | | 0.24 mg/L |
| Freshwater sediment | | 4.835 mg/kg |
| Freshwater sediment | | 0.917 mg/kg |
| Freshwater sediment | | 5.45 mg/kg TG |
| Intermittent release (freshwater) | | 0.71 mg/L |
| Intermittent release (marine water) | | 0.071 mg/L |
| Marine water | | 0.013 mg/L |
| Marine water | | 0.024 mg/L |
| Marine water | | 0.0129 mg/L |
| Marine water sediment | | 0.483 mg/kg |
| Marine water sediment | | 0.092 mg/kg |
| Marine water sediment | | 0.545 mg/kg TG |
| Sewage treatment plant | | 10 g/L |
| Sewage treatment plant | | 10 g/L |
| Soil | | 7.5 mg/kg |
| Soil | | 7.5 mg/kg |
| Soil | | 0.946 mg/kg TG |

p-menth-1-en-8-ol

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 68 µg/L |
| Freshwater sediment | | 1.85 mg/kg |
| Marine water | | 6.8 µg/L |
| Marine water sediment | | 0.185 mg/kg |
| Sewage treatment plant | | 2.6 mg/L |
| Soil | | 0.329 mg/kg |

p-mentha-1,3-diene

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0.002 mg/L |
| Freshwater sediment | | 0.196 mg/kg |
| Intermittent release (freshwater) | | 0.017 mg/L |
| Intermittent release (marine water) | | 0.017 mg/L |
| Marine water | | 0 mg/L |
| Marine water sediment | | 0.02 mg/kg |
| Predators | | 8.333 mg/kg |
| Sewage treatment plant | | 10 mg/L |

| | | |
|---|---|---|
| Soil | | 0.023 mg/kg |

p-mentha-1,4-diene

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0.003 mg/L |
| Freshwater sediment | | 0.49 mg/kg |
| Marine water | | 0 mg/L |
| Marine water sediment | | 0.049 mg/kg |
| Sewage treatment plant | | 10 mg/L |
| Soil | | 0.423 mg/kg |

p-mentha-1,4(8)-diene

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0.634 µg/L |
| Freshwater sediment | | 147 µg/kg |
| Intermittent release (freshwater) | | 6.34 µg/L |
| Intermittent release (marine water) | | 1.26 µg/L |
| Marine water | | 0.063 µg/L |
| Marine water sediment | | 14.7 µg/kg |
| Predators | | 10.31 mg/kg |
| Sewage treatment plant | | 0.2 mg/L |
| Soil | | 29.1 µg/kg |

Pin-2(3)-ene

| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
|---|---|---|
| Freshwater | | 0.606 µg/L |
| Freshwater sediment | | 157 µg/kg |
| Intermittent release (freshwater) | | 3.03 µg/L |
| Intermittent release (marine water) | | 0.303 µg/L |
| Marine water | | 0.061 µg/L |
| Marine water sediment | | 15.7 µg/kg |
| Predators | | 8.76 mg/kg |
| Sewage treatment plant | | 0.2 mg/L |
| Soil | | 31.7 µg/kg |

**8.2. ▼Exposure controls**

Apply general control to prevent unnecessary exposure

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

▼*Exposure limits:*

Occupational exposure limits have not been defined for the substances in this product.

▼*Appropriate technical measures:*

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 | - | - | - | |

*Eye protection:*

| Type | Standards | |
|---|---|---|
| No special when used as intended. | - | |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

*Physical state:*
Liquid

*Colour:*
Colourless

*Odour / Odour threshold:*
Characteristic

*pH:*
ca. 5,8

*Density (g/cm³):*
1.04 (20 °C)

*Kinematic viscosity:*
2000-4000 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 | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 401 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >2000 mg/kg |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 402 |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Species: | Rat, male/female |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 4100 mg/kg |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 2430 mg/kg |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg |

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

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Rabbit |
| Route of exposure: | Dermal |

| | |
|---|---|
| Result: | >5000 mg/kg |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Rabbit, male/female |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2214 mg/kg |

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

**▼Skin corrosion/irritation**

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 404 |
| Species: | Rabbit |
| Result: | Adverse effect observed (Irritating) |

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

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

| | |
|---|---|
| Product/substance | p-menth-1-en-8-ol |
| Test method: | OECD 404 |
| Species: | Rabbit |
| Duration: | 24 hours |
| Result: | Adverse effect observed (Irritating) |

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

**▼Serious eye damage/irritation**

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 405 |
| Species: | Rabbit |
| Result: | Adverse effect observed (Causes serious eye damage) |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Result: | Adverse effect observed (Causes serious eye damage) |

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

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

Based on available data, 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 | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 406 |
| Species: | Rabbit |
| Result: | No adverse effect observed (not sensitising) |

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

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

**▼Skin sensitisation**

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

| | |
|---|---|
| Product/substance | p-menth-1-en-8-ol |
| Test method: | OECD 429 |
| Species: | Rat |
| Result: | No adverse effect observed (not sensitising) |
| Other information: | Local lymph node assay (LLNA) |

Based on available data, 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 | 2-phenoxyethanol |
| Test method: | OECD 471 |
| Species: | S. typhimurium |
| Description: | 20-5000 |
| Conclusion: | No adverse effect observed |

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

**Carcinogenicity**

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

**▼Reproductive toxicity**

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

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**▼Symptoms related to the physical, chemical and toxicological characteristics**

None known.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

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

**Other information**

None known.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. ▼Toxicity**

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

| | |
|---|---|
| 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 |
| Test method: | OECD 203 |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 7.1 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 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 203 |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >1 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | DIN 38412 |
| Species: | Andere waterorganismen, Pseudomonas putida |
| Duration: | 16 hours |
| Test: | EC50 |
| Result: | > 10000 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 204 |

| | |
|---|---|
| Species: | Fish, Oncorhynchus mykiss |
| Duration: | 28 days |
| Test: | NOEC |
| Result: | 0,2 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 201 |
| Species: | Algae, Desmodesmus subspicatus |
| Duration: | 72 hours |
| Test: | NOEC |
| Result: | 0,95 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 201 |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | 4,4 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 210 |
| Species: | Fish, Pimephales promelas |
| Duration: | 28 days |
| Test: | EC10 |
| Result: | 1,7 mg/L |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Test method: | OECD 211 |
| Species: | Daphnia, Daphnia magna |
| Compartment: | Water |
| Duration: | 21 days |
| Test: | NOEC |
| Result: | >1,19 mg/L |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Species: | Algae |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | 2,4 mg/L |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Test method: | OECD 202 |
| Species: | Daphnia, Daphnia magna |
| Duration: | 48 hours |
| Result: | 1.9 mg/L |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Test method: | OECD 203 |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 1.11 mg/L |

| | |
|---|---|
| Product/substance | |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts | |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | NOEC |
| Result: | 0.6 mg/L |

| | |
|---|---|
| Product/substance | |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts | |
| Test method: | OECD 210 |
| Species: | Fish |
| Test: | NOEC |
| Result: | 0.135 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >100 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | ErC50 |
| Result: | >100 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Daphnia magna |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | >100 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Fish |
| Test: | NOEC |
| Result: | 23 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Andere waterorganismen |
| Duration: | 30 minutes |
| Test: | EC50 |
| Result: | >1000 mg/L |

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |
| Species: | Fish, Pimephales promelas |
| Duration: | 96 hours |
| Result: | 344 mg/L |

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

| | |
|---|---|
| Product/substance | 2-phenoxyethanol |

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

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

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

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

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

**12.2. ▼Persistence and degradability**

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Duration: | 14 days |
| Result: | 100 % |
| Conclusion: | Readily biodegradable |
| Test: | OECD 301 B |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Duration: | 28 days |
| Result: | 77 % |
| Conclusion: | Readily biodegradable |
| Test: | OECD 301 D |

| | |
|---|---|
| Product/substance | Alcohols, C12-14, ethoxylated, sulfates, sodium salts |
| Duration: | 28 days |
| Result: | 100 % |
| Conclusion: | Readily biodegradable |
| Test: | OECD 301 A |

Product/substance
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

| | |
|---|---|
| Duration: | 28 days |
| Result: | >60 % |
| Conclusion: | Readily biodegradable |

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

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

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

**12.3. ▼Bioaccumulative potential**

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

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7. Other adverse effects**

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

20 01 30 Detergents other than those mentioned in 20 01 29

**Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| ADR/ADN/RID | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group
** Environmental hazards

**▼Additional information**

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

## SECTION 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

*Restrictions for application:*

Restricted to professional users.

*Demands for specific education:*

No specific requirements.

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

Not applicable.

*UK-REACH, Annex XVII:*

p-mentha-1,4-diene is subject to UK-REACH restrictions (entry 40).
p-mentha-1,3-diene is subject to UK-REACH restrictions (entry 40).
Pin-2(3)-ene is subject to UK-REACH restrictions (entry 40).

*Ingredients. Labelling of contents according to Regulation 1223/2009 on cosmetic products as retained and amended in UK law:*

AQUA (SOLVENTS), GLYCERIN (HUMECTANTS), PHENOXYETHANOL (PRESERVATIVES)

*Additional information:*

Not applicable.

*Sources:*

Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products.
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**

EUH071, Corrosive to the respiratory tract.
H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
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.
H336, May cause drowsiness or dizziness.
H361, Suspected of damaging fertility or the unborn child.

H361d, Suspected of damaging the unborn child.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, 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**

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

**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