

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878. Issue date: 12/07/2024 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| Product form Product name | : Mixture : HG dishwasher cleaner and odour freshener |
|------------------------------|--|
| Product name Product code | : 636 ART |
| Type of product | : Detergent |
| Product group | : Trade product |

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

1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Consumer use: Dishwashing machine care agents

1.2.2. Uses advised against

Restrictions on use

: All other uses not recommended above

1.3. Details of the supplier of the safety data sheet

ManufacturerDistributorHG International B.V.HG UKI LTDP.J. Oudweg 41Weston Business CentreNL- 1314 CJ AlmereParsonage RoadThe NetherlandsUK- CM22 6PU Takeley - EssexT +31 (0)36 54 94 700United Kingdomsafety@hg.eu - www.hg.euT +44 (0) 1206 822 744www.hg.euKingdom

1.4. Emergency telephone number

Emergency number

: +31 (0)36 54 94 777 Only for medical personnel Mon-Fri 09:00 AM - 05:00 PM (CEST)

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|--------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH | 0344 892 0111 | Only for healthcare professionals |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER | +44 20 7188 7188 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)Serious eye damage/eye irritation, Category 2H319Hazardous to the aquatic environment – Chronic Hazard, Category 3H412Full text of H- and EUH-statements: see section 16H412

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

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| 2.2. Label elements | |
|--|---|
| Labelling according to GB CLP (SI 2019:720 | as amended) |
| Hazard pictograms (GB CLP) | GHS07 |
| Signal word (GB CLP) | : Warning |
| Hazard statements (GB CLP) | : H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (GB CLP) | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice, attention. P501 - Dispose of contents and container to an approved waste disposal plant. |
| EUH-statements (GB CLP) | : EUH208 - Contains GERANYL ACETATE, EUCALYPTOL, LIMONENE, LINALOOL, PINENE, TERPINOLENE. May produce an allergic reaction. |
| Child-resistant fastening | : Not applicable |
| Tactile warning | : Not applicable |
| 2.3. Other hazards | |

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with UK REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Labelling according to GB CLP (SI 2019:720 as amended) |
|---|---|-------------|--|
| Sodium chloride | CAS-No.: 7647-14-5 EC-No.: 231-598-3 | ≥ 50 – < 75 | Not classified |
| sodium carbonate | CAS-No.: 497-19-8 EC-No.: 207-838-8 REACH-no: 01-2119485498- 19 | ≥ 15 – < 25 | Eye Irrit. 2, H319 |
| Sodium sulphate | CAS-No.: 7757-82-6 EC-No.: 231-820-9 REACH-no: 01-2119519226- 43 | ≥ 15 – < 25 | Not classified |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool | CAS-No.: 78-70-6 EC-No.: 201-134-4 UK Index-No.: 603-235-00-2 REACH-no: 01-2119474016- 42 | ≥ 0.1 – < 1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |

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| Name | Product identifier | % | Labelling according to GB CLP (SI 2019:720 as amended) |
|--|---|----------------|---|
| p-Mentha-1,4(8)-diene | CAS-No.: 586-62-9 EC-No.: 209-578-0 REACH-no: 01-2119982325- 32 | ≥ 0.1 – < 1 | Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Terpineol | CAS-No.: 8000-41-7 EC-No.: 232-268-1 REACH-no: 01-2119553062- 49 | ≥ 0.1 – < 1 | Not classified |
| 2,6-dimethyl-7-octen-2-ol | CAS-No.: 18479-58-8 EC-No.: 242-362-4 REACH-no: 01-2119457274- 37 | ≥ 0.1 – < 1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| (R)-p-mentha-1,8-diene; d-limonene | CAS-No.: 5989-27-5 EC-No.: 227-813-5 UK Index-No.: 601-096-00-2 REACH-no: 01-2119529223- 47 | ≥ 0.1 – < 1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Pin-2(3)-ene | CAS-No.: 80-56-8 EC-No.: 201-291-9 REACH-no: 01-2119519223- 49 | ≥ 0.1 – < 1 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol | CAS-No.: 464-45-9 EC-No.: 207-353-1 REACH-no: 01-2120759187- 44 | ≥ 0.1 – < 1 | Flam. Sol. 1, H228 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene | CAS-No.: 13466-78-9 EC-No.: 236-719-3 REACH-no: 01-2119520252- 55 | ≥ 0.01 - < 0.1 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| 3,7-dimethyl-2,6-octadien-1-yl-acetate | CAS-No.: 105-87-3 EC-No.: 203-341-5 REACH-no: 01-2119973480- 35 | ≥ 0.01 – < 1 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Citronellol | CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995- 23 | ≥ 0.01 - < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol | CAS-No.: 106-24-1 EC-No.: 203-377-1 UK Index-No.: 603-241-00-5 REACH-no: 01-2119552430- 49 | ≥ 0.01 - < 0.1 | Skin Sens. 1, H317 |
| linalyl acetate | CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789- 19 | ≥ 0.01 – < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |

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| Name | Product identifier | % | Labelling according to GB CLP (SI 2019:720 as amended) |
|---|---|--------------------|--|
| Citronellyl acetate | CAS-No.: 150-84-5 EC-No.: 205-775-0 REACH-no: 01-2119959860- 27 | ≥ 0.01 – < 0.1 | Skin Irrit. 2, H315 Aquatic Chronic 2, H411 |
| cineole | CAS-No.: 470-82-6 EC-No.: 207-431-5 REACH-no: 01-2119967772- 24 | ≥ 0.01 – < 1 | Flam. Liq. 3, H226 Skin Sens. 1B, H317 |
| citral | CAS-No.: 5392-40-5 EC-No.: 226-394-6 UK Index-No.: 605-019-00-3 REACH-no: 01-2119462829- 23 | ≥ 0.01 – < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 |
| 2-methylundecanal | CAS-No.: 110-41-8 EC-No.: 203-765-0 REACH-no: 01-2119969443- 29 | ≥ 0.001 – < 0.1 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Octanal | CAS-No.: 124-13-0 EC-No.: 204-683-8 REACH-no: 01-2119638274- 38 | ≥ 0.001 – < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 |
| Camphene | CAS-No.: 79-92-5 EC-No.: 201-234-8 REACH-no: 01-2119446293- 40 | ≥ 0.001 – < 0.1 | Flam. Sol. 1, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 7-methyl-3-methyleneocta-1,6-diene | CAS-No.: 123-35-3 EC-No.: 204-622-5 REACH-no: 01-2119514321- 56 | ≥ 0.001 – < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| (E)-3,7-dimethylocta-1,3,6-triene | CAS-No.: 3779-61-1 REACH-no: 01-2120739475- 47 | ≥ 0.001 – < 0.1 | Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| $\begin{tabular}{lllllllllllllllllllllllllllllllllll$ | CAS-No.: 469-61-4 EC-No.: 207-418-4 | ≥ 0.001 – < 0.1 | Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| $\alpha, \alpha, 4$ -trimethylcyclohexanemethanol | CAS-No.: 498-81-7 EC-No.: 207-871-8 REACH-no: 01-2119983276- 26 | ≥ 0.001 – < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| 1-isopropyl-4-methylbenzene; p-cymene | CAS-No.: 99-87-6 EC-No.: 202-796-7 REACH-no: 01-2119881770- 31 | ≥ 0.001 – < 0.1 | Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 (ATE=0.5 mg/l/4h) Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran | CAS-No.: 16409-43-1 EC-No.: 240-457-5 REACH-no: 01-2119976300- 42 | ≥ 0.001 – < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 |

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| Name | Product identifier | % | Labelling according to GB CLP (SI 2019:720 as amended) |
|--------------------|--|--------------------|--|
| L-beta-pinene | CAS-No.: 18172-67-3 EC-No.: 242-060-2 REACH-no: 01-2119519230- 54 | ≥ 0.001 – < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| p-Mentha-1,4-diene | CAS-No.: 99-85-4 EC-No.: 202-794-6 REACH-no: 01-2120780478- 40 | ≥ 0.001 – < 0.1 | Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 2, H411 |

Full text of H- and EUH-statements: see section 16

| SECTION 4: First aid measures | |
|--|--|
| 4.1. Description of first aid measures | |
| First-aid measures general | : If you feel unwell, seek medical advice. |
| First-aid measures after inhalation First-aid measures after skin contact | Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |
| 4.2. Most important symptoms and effect | ts, both acute and delayed |
| Symptoms/effects after inhalation | : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| Symptoms/effects after skin contact Symptoms/effects after eye contact | Dust may cause irritation in skin folds or by contact in combination with tight clothing.Eye irritation. |
| | |

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

Treat symptomatically.

| SECTION 5: Firefighting measures | | | |
|--|---|--|--|
| 5.1. Extinguishing media | | | |
| Suitable extinguishing media Unsuitable extinguishing media | Water spray. Dry powder. Foam.Do not use a heavy water stream. | | |
| 5.2. Special hazards arising from the substance or mixture | | | |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. Metallic oxides. Sulphur oxides. Halogenated compounds. | | |
| 5.3. Advice for firefighters | | | |
| Precautionary measures fire Firefighting instructions Protection during firefighting | Runoff from fire control or dilution water may cause pollution. Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Control run-off water by containing and keeping it out of sewers and watercourses. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. | | |

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| SECTION 6: Accidental release meas | sures |
|--|---|
| 6.1. Personal precautions, protective equ | ipment and emergency procedures |
| General measures | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. Do not handle until all safety precautions have been read and understood. |
| 6.1.1. For non-emergency personnel | |
| Protective equipment Emergency procedures | Wear recommended personal protective equipment. Ventilate spillage area. Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Do not breathe mist, spray, vapours. Avoid contact with skin and eyes. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. |
| 6.2. Environmental precautions | |
| Avoid release to the environment. | |
| 6.3. Methods and material for containment | nt and cleaning up |
| For containment | : Using a clean shovel, put the material in a dry container and cover without compressing it. Large spills: scoop solid spill into closing containers. Dilute small spillage well and wash away with large quantities of water. |
| Methods for cleaning up Other information | Mechanically recover the product. Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. |
| 6.4. Reference to other sections | |

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

| SECTION 7: Handling and storage | 9 |
|---|---|
| 7.1. Precautions for safe handling | |
| Additional hazards when processed Precautions for safe handling Hygiene measures | Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Do not breathe mist, vapours. Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, inclu | uding any incompatibilities |
| Technical measures Storage conditions Storage temperature Special rules on packaging | Keep in a cool, well-ventilated place away from heat. Store in dry, cool, well-ventilated area. Protect from sunlight. Store in a closed container. > 0 - < 30 °C Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage. |
| Packaging materials | : Store always product in container of same material as original container. |
| 7.3. Specific end use(s) | |
| | |

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment - Report preview:

Safety glasses. Gloves. Protective clothing. Wear foot protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection - Report preview:

Safety glasses

| Eye protection | | | | | |
|--|--|--|--------|--|--|
| Type Field of application Characteristics Standard | | | | | |
| Safety glasses with side shields | | | EN 166 | | |

8.2.2.2. Skin protection

Skin and body protection - Report preview:

In case of contact with the skin : Wear protective clothing

| Skin and body protection | |
|----------------------------------|--------------|
| Туре | Standard |
| Long sleeved protective clothing | |
| Chemical resistant safety shoes | EN ISO 20345 |

Hand protection - Report preview:

Protective gloves

| Hand protection | | | | | |
|-------------------|----------------------|-------------------|----------------|-------------|------------|
| Туре | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Butyl rubber | 6 (> 480 minutes) | 0.5 | | EN ISO 374 |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.35 | | EN ISO 374 |

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8.2.2.3. Respiratory protection

Respiratory protection - Report preview:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | : Solid |
|---|---------------------|
| Colour | : White. |
| Odour | : Lemon-like odour. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not applicable |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Explosive limits | : Not applicable |
| Lower explosion limit | : Not applicable |
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| рН | : 11 |
| pH solution concentration | : 10 % |
| Viscosity, kinematic | : Not applicable |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Particle size | : Not available |

| sodium carbonate (497-19-8) | |
|-----------------------------|-----------|
| Boiling point | 1600 °C |
| Vapour pressure | 0 Pa 25°C |

| Sodium sulphate (7757-82-6) | |
|-----------------------------|-----------|
| Boiling point | 1413 °C |
| Vapour pressure | 0 Pa 25°C |

| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9) | | |
|--|--|--|
| Boiling point | 167 – 170 °C Source: AKRON | |
| Vapour pressure | 3.72 mm Hg at 25 °C Source: NLM;ChemIDplus | |

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| 2-methylundecanal (110-41-8) | |
|------------------------------|--|
| Boiling point | 230.85 °C Atm. press.: 101,325 kPa Decomposition: 'no' Remarks on result: 'other:' |
| Flash point | 68.5 °C Atm. press.: 101325 Pa Remarks on result: 'other:' |
| | |
| Octanal (124-13-0) | |
| Boiling point | 175 °C |

| Bolling point | 175 °C |
|---------------------------|------------|
| Flash point | 54 °C |
| Auto-ignition temperature | 190 °C |
| Vapour pressure | 1.18 mm Hg |

| Camphene (79-92-5) | |
|---------------------------|---|
| Boiling point | 156 – 160 °C Atm. press.: 1013 mBar Remarks on result: 'other:' |
| Flash point | 29.5 °C Atm. press.: 1013 hPa |
| Auto-ignition temperature | 265 °C Source: ICSC |
| Vapour pressure | 25 mm Hg at 25 °C Source: HSDB |

| 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87-3) | | |
|---|--|--|
| Boiling point | 243.97 °C Atm. press.: 1013,25 hPa | |
| Flash point | 109.5 °C Atm. press.: 1013,25 hPa | |
| Vapour pressure | 0.013 hPa Temp.: 20 °C Remarks on result: 'other:' | |

| Citronellol (106-22-9) | |
|---------------------------|--------------------------------|
| Boiling point | 223.8 °C Atm. press.: 1013 hPa |
| Flash point | 107 °C Atm. press.: 1013 hPa |
| Auto-ignition temperature | 240 °C Source: ECHA |
| Vapour pressure | 9 Pa 25°C |

| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1) | |
|--|------------------------------|
| Boiling point | 229 °C |
| Flash point | 108 °C Atm. press.: 1013 hPa |
| Vapour pressure | 4.6 Pa 25°C |

| linalyl acetate (115-95-7) | |
|----------------------------|---------------------------------|
| Boiling point | 220 °C Atm. press.: 1013,25 hPa |
| Flash point | 85 °C Atm. press.: 1013,25 hPa |
| Vapour pressure | < 1 hPa Temp.: 20 °C |

| 7-methyl-3-methyleneocta-1,6-diene (123-35-3) | |
|---|--|
| Boiling point | 167 °C |
| Flash point | ≈ 45 °C Atm. press.: 1 atm |
| Vapour pressure | 267.98 Pa Temp.: 25 °C Remarks on result: 'other:' |

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| Citronellyl acetate (150-84-5) | |
|--------------------------------|----------------------------------|
| Boiling point | 239.8 °C Atm. press.: 1013,2 hPa |
| Flash point | 93.5 °C Atm. press.: 1013,25 hPa |

| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | |
|--|--------------------------------|
| Boiling point | 193 °C Atm. press.: 100,9 kPa |
| Flash point | 76 °C Atm. press.: 101,325 kPa |
| Vapour pressure | 20 Pa Temp.: 25 °C |

| cineole (470-82-6) | |
|--------------------|---|
| Boiling point | 177 °C Atm. press.: 101,325 kPa Decomposition: 'no' |
| Flash point | 52 °C Remarks on result: 'other:' |
| Vapour pressure | 122 Pa Temp.: 20 °C |

| α,α,4-trimethylcyclohexanemethanol (498-81-7) | |
|---|-------------------------------|
| Boiling point | 205 °C Source: MSDS |
| Flash point | 87.78 °C Source: MSDS |
| Vapour pressure | 0.0457 mm Hg Source: EPISUITE |

| citral (5392-40-5) | |
|--------------------|---|
| Boiling point | ≈ 230 °C Atm. press.: 1013 hPa Decomposition: 'yes' Decomp. temp.: 180 °C |
| Flash point | 82 °C Source: ICSC |
| Vapour pressure | 29.3 Pa 25°C |

| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | |
|--|---|
| Boiling point | 175 °C |
| Flash point | 51 °C Atm. press.: 1 atm |
| Auto-ignition temperature | 245 °C Source: ECHA Registered substances |
| Vapour pressure | 200 Pa Temp.: 298 K Remarks on result: 'other:' |

| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6) | |
|---|--|
| Boiling point | 196.3 °C Atm. press.: 99,2 kPa Decomposition: 'no' Decomp. temp.: 196,3 °C Remarks on result: 'other:' |
| Flash point | ≈ 77.2 °C Atm. press.: 101,3 kPa |
| Auto-ignition temperature | 235 °C Source: International Chemical Safety Cards |
| Vapour pressure | 27 Pa Temp.: 298 K |

| Pin-2(3)-ene (80-56-8) | |
|---------------------------|--------------------------|
| Boiling point | 155 °C |
| Flash point | 31 °C Atm. press.: 1 atm |
| Auto-ignition temperature | 255 °C |
| Vapour pressure | 690 Pa 25°C |

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| 1-isopropyl-4-methylbenzene; p-cymene (99-87-6) | |
|---|--|
| Boiling point | 176 °C Atm. press.: 1013 hPa Decomposition: 'no' |
| Flash point | 48 °C Source: International Uniform ChemicaL Information Database |
| Auto-ignition temperature | 435 °C |
| Vapour pressure | 1.47 mm Hg Source: National Institute of Technology and Evaluation |

| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran (16409-43-1) | |
|---|--------------------------------------|
| Boiling point | 230 °C Atm. press.: 1013,25 hPa |
| Flash point | 64 °C Atm. press.: 1013 hPa |
| Vapour pressure | 0.657 mm Hg at 25°C Source: EPISUITE |

| L-beta-pinene (18172-67-3) | |
|----------------------------|--------------------------|
| Boiling point | 162 – 167 °C |
| Flash point | 39 °C Atm. press.: 1 atm |
| Vapour pressure | 2 mm Hg |

| p-Mentha-1,4(8)-diene (586-62-9) | |
|----------------------------------|---|
| Boiling point | 193.85 °C Atm. press.: 985 hPa Decomposition: 'no' |
| Flash point | 62.5 °C Atm. press.: 101,3 kPa |
| Vapour pressure | 0.74 mm Hg at 25°C Source: National Library of Medicine/Hazardous Substances Data Bank |

| Terpineol (8000-41-7) | |
|-----------------------|-------------|
| Boiling point | 214 °C |
| Flash point | 91 – 92 °C |
| Vapour pressure | 2.6 Pa 25°C |

| p-Mentha-1,4-diene (99-85-4) | |
|------------------------------|--|
| Boiling point | 181.8 °C Atm. press.: 100,7 kPa |
| Auto-ignition temperature | 359 °C Source: ECHA |
| Vapour pressure | 1.09 mm Hg at 25 °C Source: National Library of Medicine |

| Sodium chloride (7647-14-5) | |
|-----------------------------|-----------|
| Boiling point | ≈ 1465 °C |

| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol (464-45-9) | |
|---|--|
| Boiling point | 201 °C Source: ChemIDplus |
| Flash point | 6555556 °C Remarks on result: 'other:' |
| Vapour pressure | 0.0572 Pa Temp.: 25 °C Remarks on result: 'other:' |

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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 toxicological effects | |
| Acute toxicity (dermal) : | Not classified (Conclusive but not sufficient for classification) Not classified (Conclusive but not sufficient for classification) Not classified (Conclusive but not sufficient for classification) |
| LD50 oral rat | 2800 mg/kg bodyweight Animal: rat |
| LD50 oral | 4090 mg/kg bodyweight |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other: |
| LC50 Inhalation - Rat (Dust/Mist) | 2300 mg/l |
| Sodium sulphate (7757-82-6) | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method) |
| LD50 oral | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 2.4 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method) |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9) | |
| LD50 oral rat | 4800 mg/kg |
| ATE GB CLP (oral) | 4800 mg/kg bodyweight |

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| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466 | ;-78-9) |
|---|---|
| ATE GB CLP (gases) | 4500 ppmv/4h |
| ATE GB CLP (vapours) | 11 mg/l/4h |
| ATE GB CLP (dust, mist) | 1.5 mg/l/4h |
| 2-methylundecanal (110-41-8) | |
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit | > 10000 mg/kg Source: ChemIDPlus |
| Octanal (124-13-0) | |
| LD50 oral rat | 4617 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other: |
| LD50 dermal rabbit | 5207 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat | > 0.83 mg/l air Animal: rat, Animal sex: male, Remarks on results: other: |
| ATE GB CLP (oral) | 4617 mg/kg bodyweight |
| ATE GB CLP (dermal) | 5207 mg/kg bodyweight |
| Camphene (79-92-5) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit |
| 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87 | ·-3) |
| LD50 oral rat | 6330 mg/kg bodyweight Animal: rat, 95% CL: 5450 - 7340 |
| ATE GB CLP (oral) | 6330 mg/kg bodyweight |
| Citronellol (106-22-9) | |
| LD50 oral rat | 3450 mg/kg Source: National Library of Medicine |
| LD50 oral | 3450 mg/kg bodyweight |
| LD50 dermal rabbit | 2650 mg/kg Source: National Library of Medicine |
| LD50 dermal | 2650 mg/kg bodyweight |
| ATE GB CLP (oral) | 3450 mg/kg bodyweight |
| ATE GB CLP (dermal) | 2650 mg/kg bodyweight |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) |
| LD50 oral rat | 3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit |
| ATE GB CLP (oral) | 3600 mg/kg bodyweight |
| linalyl acetate (115-95-7) | |
| LD50 oral rat | > 9000 mg/kg bodyweight Animal: rat, Remarks on results: other: |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3) | |
| LD50 oral rat | > 11390 mg/kg bodyweight Animal: rat |
| LD50 oral | > 3380 mg/kg bodyweight Animal: mouse |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

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| Citronellyl acetate (150-84-5) | | |
|---|---|--|
| LD50 oral rat | 6800 mg/kg bodyweight Animal: rat, Remarks on results: other: | |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit | |
| ATE GB CLP (oral) | 6800 mg/kg bodyweight | |
| α,α,4-trimethylcyclohexanemethanol (498-81- | .7) | |
| LD50 oral rat | > 5000 mg/kg Source: NLM;chemIDplus, TOMES;LOLI; | |
| LD50 dermal rabbit | > 5000 mg/kg Source: NLM;chemIDplus, TOMES;LOLI; | |
| citral (5392-40-5) | | |
| LD50 oral rat | ≈ 6800 mg/kg bodyweight Animal: rat | |
| LD50 oral | 4960 mg/kg bodyweight | |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Remarks on results: other: | |
| LD50 dermal rabbit | 2250 mg/kg | |
| LD50 dermal | 2250 mg/kg bodyweight | |
| ATE GB CLP (oral) | 4960 mg/kg bodyweight | |
| ATE GB CLP (dermal) | 2250 mg/kg bodyweight | |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27- | -5) | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) | |
| LD50 oral | 4400 mg/kg bodyweight | |
| LD50 dermal rabbit | > 5000 mg/kg Source: National Library of Medicine | |
| LD50 dermal | > 2000 mg/kg bodyweight | |
| ATE GB CLP (oral) | 4400 mg/kg bodyweight | |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-lina | alool (78-70-6) | |
| LD50 oral rat | 2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 2440 - 3180 | |
| LD50 oral | 2790 mg/kg bodyweight | |
| LD50 dermal rabbit | 5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374 | |
| LD50 dermal | 5610 mg/kg bodyweight | |
| ATE GB CLP (oral) | 2790 mg/kg bodyweight | |
| ATE GB CLP (dermal) | 5610 mg/kg bodyweight | |
| Pin-2(3)-ene (80-56-8) | | |
| LD50 oral rat | 2100 mg/kg Source: International Uniform ChemicaL Information Database | |
| LD50 oral | 3700 mg/kg bodyweight | |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) | |
| LD50 dermal | > 5000 mg/kg bodyweight | |
| ATE GB CLP (oral) | 500 mg/kg bodyweight | |
| 1-isopropyl-4-methylbenzene; p-cymene (99-87-6) | | |
| LD50 oral rat | 3669 mg/kg Source: Corporate Solution From Thomson Micromedex | |

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| 1-isopropyl-4-methylbenzene; p-cymene (99-8 | 37-6) | |
|---|---|--|
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: other: | |
| ATE GB CLP (oral) | 3669 mg/kg bodyweight | |
| ATE GB CLP (gases) | 700 ppmv/4h | |
| ATE GB CLP (vapours) | 3 mg/l/4h | |
| ATE GB CLP (dust, mist) | 0.5 mg/l/4h | |
| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)p | byran (16409-43-1) | |
| LD50 oral rat | > 2000 mg/kg Source: ECHA | |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: | |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit | |
| p-Mentha-1,4(8)-diene (586-62-9) | | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) | |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) | |
| LD50 dermal rabbit | > 4300 mg/kg Source: ECHA | |
| Terpineol (8000-41-7) | | |
| LD50 oral | > 2000 mg/kg bodyweight | |
| LD50 dermal rabbit | > 3000 mg/kg | |
| LD50 dermal | > 2000 mg/kg bodyweight | |
| LC50 Inhalation - Rat (Dust/Mist) | > 4760 mg/l | |
| p-Mentha-1,4-diene (99-85-4) | | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) | |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) | |
| Sodium chloride (7647-14-5) | | |
| LD50 dermal rabbit | > 10000 mg/kg bodyweight Animal: rabbit | |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan | -2-ol (464-45-9) | |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit | |
| Skin corrosion/irritation : | Not classified (Conclusive but not sufficient for classification) pH: 11 | |
| sodium carbonate (497-19-8) | | |
| рН | ≈ 11.6 Concentration: (≈)0,1 other: | |
| Sodium sulphate (7757-82-6) | | |
| рН | 4.9 | |
| Sodium chloride (7647-14-5) | | |
| pH | 7.5 (18 °C) | |
| Serious eye damage/irritation : | Causes serious eye irritation. | |
| | рН: 11 | |

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| sodium carbonate (497-19-8) | |
|--|---|
| рН | ≈ 11.6 Concentration: (≈)0,1 other: |
| Sodium sulphate (7757-82-6) | |
| рН | 4.9 |
| Sodium chloride (7647-14-5) | |
| рН | 7.5 (18 °C) |
| | Not classified (Conclusive but not sufficient for classification) |
| Germ cell mutagenicity : | Not classified (Conclusive but not sufficient for classification) |
| | Not classified (Conclusive but not sufficient for classification) |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3 | |
| IARC group | 2B - Possibly carcinogenic to humans |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) |
| NOAEL (chronic, oral, animal/male, 2 years) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |
| citral (5392-40-5) | |
| NOAEL (chronic, oral, animal/male, 2 years) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |
| Reproductive toxicity : | Not classified (Conclusive but not sufficient for classification) |
| Octanal (124-13-0) | |
| NOAEL (animal/female, F1) | 300 mg/kg bodyweight Animal: rat, Animal sex: female |
| p-Mentha-1,4-diene (99-85-4) | |
| NOAEL (animal/male, F1) | 250 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (animal/female, F1) | 100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| 0 | Not classified (Conclusive but not sufficient for classification) |
| STOT-repeated exposure : | Not classified (Conclusive but not sufficient for classification) |
| 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87 | -3) |
| NOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat, Guideline: other: |
| Citronellol (106-22-9) | |
| NOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat, Guideline: other: |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.063 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) |
| NOAEL (dermal, rat/rabbit, 90 days) | 300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other: |
| linalyl acetate (115-95-7) | |
| NOAEL (dermal, rat/rabbit, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3) | |
| LOAEL (oral, rat, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents) |

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

| 7-methyl-3-methyleneocta-1,6-diene (123-35- | 3) |
|--|---|
| NOAEL (subchronic, oral, animal/male, 90 days) | 500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | 250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| cineole (470-82-6) | |
| NOAEL (oral, rat, 90 days) | 600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents) |
| citral (5392-40-5) | |
| LOAEC (inhalation, rat, gas, 90 days) | 68 ppm Animal: rat, Animal sex: female |
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| NOAEC (inhalation, rat, gas, 90 days) | 34 ppm Animal: rat, Animal sex: female |
| NOAEL (subchronic, oral, animal/male, 90 days) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-lir | nalool (78-70-6) |
| NOAEL (dermal, rat/rabbit, 90 days) | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| Aspiration hazard : | Not classified (Conclusive but not sufficient for classification) |
| HG dishwasher cleaner and odour freshener | |
| Viscosity, kinematic | Not applicable |
| Citronellol (106-22-9) | |
| Viscosity, kinematic | 12.984 mm²/s |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-lir | nalool (78-70-6) |
| Viscosity, kinematic | 5191.86 mm ² /s |
| 11.2. Information on other hazards | |
| 11.2.1. Endocrine disrupting properties | |
| Adverse health effects caused by endocrine disrupting properties | The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/005 at a consentration environment to an environment to an environment of the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) |

11.2.2. Other information

No additional information available

| SECTION 12: Ecological information | |
|--|--|
| 12.1. Toxicity | |
| Ecology - general Hazardous to the aquatic environment, short-term (acute) | Harmful to aquatic life with long lasting effects.Not classified (Conclusive but not sufficient for classification) |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

2018/605 at a concentration equal to or greater than 0,1 %

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| sodium carbonate (497-19-8) | | |
|---|--|--|
| LC50 - Fish [1] | 300 mg/l Test organisms (species): Lepomis macrochirus | |
| EC50 - Crustacea [1] | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp. | |
| EC50 96h - Algae [1] | 242 mg/l Source: ECOTOX | |
| Sodium sulphate (7757-82-6) | | |
| LC50 - Fish [1] | 7960 mg/l Test organisms (species): Pimephales promelas | |
| LC50 - Fish [2] | ≈ 7960 mg/l Test organisms (species): Pimephales promelas | |
| EC50 - Crustacea [1] | ≈ 3150.21 mg/l Test organisms (species): Ceriodaphnia dubia | |
| EC50 - Other aquatic organisms [1] | 4580 mg/l waterflea | |
| EC50 - Other aquatic organisms [2] | 1900 mg/l | |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (1346 | 6-78-9) | |
| LC50 - Fish [1] | 0.53 mg/l Source: ECOSAR | |
| EC50 96h - Algae [1] | 0.648 mg/l Source: ECOSAR | |
| 2-methylundecanal (110-41-8) | | |
| LC50 - Fish [1] | 0.35 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) | |
| EC50 - Crustacea [1] | 0.21 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 0.11 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 72h - Algae [2] | 0.18 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 96h - Algae [1] | 0.778 mg/l Source: EPISUITE | |
| Octanal (124-13-0) | | |
| EC50 - Crustacea [1] | 1.54 mg/l Test organisms (species): Daphnia magna | |
| EC50 96h - Algae [1] | 12.991 mg/l Source: ECOSAR | |
| Camphene (79-92-5) | | |
| LC50 - Fish [1] | 0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 - Crustacea [1] | 0.72 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 96h - Algae [1] | 214 mg/l Source: ECOTOX | |
| 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87-3) | | |
| LC50 - Fish [1] | 68.12 mg/l Test organisms (species): Leuciscus idus | |
| EC50 - Crustacea [1] | 14.1 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 3.72 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| EC50 96h - Algae [1] | 0.122 mg/l Source: ECOSAR | |
| Citronellol (106-22-9) | | |
| LC50 - Fish [1] | 14.66 mg/l Test organisms (species): Leuciscus idus | |
| EC50 - Crustacea [1] | 17.48 mg/l Test organisms (species): Daphnia magna | |

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| Citronellol (106-22-9) | | |
|---|--|--|
| EC50 - Other aquatic organisms [1] | 17.48 mg/l waterflea | |
| EC50 - Other aquatic organisms [2] | 2.38 mg/l | |
| EC50 72h - Algae [1] | 2.4 mg/l Test organisms (species): | |
| EC50 96h - Algae [1] | 3.231 mg/l Source: Ecological Structure Activity Relationships | |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) | |
| LC50 - Fish [1] | ≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 - Crustacea [1] | 10.8 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Other aquatic organisms [1] | 10.8 mg/l waterflea | |
| EC50 72h - Algae [1] | 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3 |) | |
| EC50 - Crustacea [1] | 1.47 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 0.342 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 72h - Algae [2] | 0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| Citronellyl acetate (150-84-5) | | |
| LC50 - Fish [1] | 6.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 - Crustacea [1] | 3.48 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Crustacea [2] | 4.97 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | > 7.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | · | |
| LC50 - Fish [1] | 27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) | |
| EC50 - Crustacea [1] | 38 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 80 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| EC50 72h - Algae [2] | 65 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| NOEC (chronic) | 9.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d' | |
| cineole (470-82-6) | | |
| LC50 - Fish [1] | 57 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) | |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 96h - Algae [1] | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| α,α,4-trimethylcyclohexanemethanol (498-81-7) | | |
| LC50 - Fish [1] | 6.821 mg/l Source: EPISUITE | |

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| α,α,4-trimethylcyclohexanemethanol (498-81-7) | | |
|---|--|--|
| EC50 - Crustacea [1] | 4.743 mg/l Source: EPISUITE | |
| EC50 96h - Algae [1] | 4.166 mg/l Source: EPISUITE | |
| citral (5392-40-5) | | |
| LC50 - Fish [1] | 6.78 mg/l Test organisms (species): Leuciscus idus | |
| EC50 - Crustacea [1] | 6.8 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Other aquatic organisms [1] | 7 mg/l waterflea | |
| EC50 - Other aquatic organisms [2] | 5 mg/l | |
| EC50 72h - Algae [1] | 103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| (R)-p-mentha-1,8-diene; d-limonene (5989-2 | 7-5) | |
| LC50 - Fish [1] | 720 μg/l Test organisms (species): Pimephales promelas | |
| EC50 - Crustacea [1] | 0.307 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Crustacea [2] | 0.51 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 0.32 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| EC50 72h - Algae [2] | 0.214 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) | |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-li | nalool (78-70-6) | |
| LC50 - Fish [1] | 27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) | |
| EC50 - Crustacea [1] | 59 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Other aquatic organisms [1] | 20 mg/l waterflea | |
| EC50 - Other aquatic organisms [2] | 88.3 mg/l | |
| EC50 96h - Algae [1] | 88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| EC50 96h - Algae [2] | 156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) | |
| Pin-2(3)-ene (80-56-8) | | |
| LC50 - Fish [1] | 0.303 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 - Crustacea [1] | 0.475 mg/l Test organisms (species): Daphnia magna | |
| EC50 - Other aquatic organisms [1] | 1.44 mg/l waterflea | |
| 1-isopropyl-4-methylbenzene; p-cymene (99 | | |
| LC50 - Fish [1] | 48 mg/l Test organisms (species): Cyprinodon variegatus | |
| EC50 - Crustacea [1] | 3.7 mg/l Test organisms (species): Daphnia magna | |
| EC50 72h - Algae [1] | 4.03 mg/l Test organisms (species): Scenedesmus capricornutum | |
| EC50 72h - Algae [2] | 2.01 mg/l Test organisms (species): Scenedesmus capricornutum | |
| EC50 96h - Algae [1] | 22 mg/l Source: The ECOTOXicology database | |
| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran (16409-43-1) | | |
| LC50 - Fish [1] | 77.6 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) | |
| EC50 - Crustacea [1] | 33.2 mg/l Test organisms (species): Daphnia magna | |

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| EC50 72h - Algae [1] | 36 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|---------------------------------------|--|
| EC50 72h - Algae [2] | 79.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| L-beta-pinene (18172-67-3) | |
| LC50 - Fish [1] | 0.557 mg/l Test organisms (species): Cyprinus carpio |
| LC50 - Fish [2] | 502 μg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 1248 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | 0.563 mg/l Source: ECOSAR |
| p-Mentha-1,4(8)-diene (586-62-9) | |
| LC50 - Fish [1] | 0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 0.634 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names Raphidocelis subcapitata, Selenastrum capricornutum) |
| Terpineol (8000-41-7) | |
| LC50 - Fish [1] | 62 mg/l |
| EC50 - Other aquatic organisms [1] | 73 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 68 mg/l |
| EC50 96h - Algae [1] | 5.069 mg/l Source: ECOSAR |
| p-Mentha-1,4-diene (99-85-4) | |
| LC50 - Fish [1] | 0.263 mg/l Source: Ecological Structure Activity Relationships |
| EC50 - Crustacea [1] | 10189 mg/l Test organisms (species): Daphnia magna |
| Sodium chloride (7647-14-5) | |
| LC50 - Fish [1] | 5840 mg/l Test organisms (species): Lepomis macrochirus |
| LOEC (chronic) | 441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |
| NOEC (chronic) | 314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2. | 1]heptan-2-ol (464-45-9) |
| LC50 - Fish [1] | 67.8 mg/l Test organisms (species): Pimephales promelas |
| LC50 - Fish [2] | 59 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 14.85 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1] | 13.795 mg/l Source: EPISUITE |

| HG dishwasher cleaner and odour freshener | |
|---|--------------------|
| Persistence and degradability | Biodegradable. |
| sodium carbonate (497-19-8) | |
| Persistence and degradability | Rapidly degradable |

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| Sodium sulphate (7757-82-6) | | |
|---|---|--|
| Persistence and degradability | Rapidly degradable | |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466 | -78-9) | |
| Persistence and degradability | Rapidly degradable | |
| 2-methylundecanal (110-41-8) | | |
| Persistence and degradability | Rapidly degradable | |
| Octanal (124-13-0) | | |
| Persistence and degradability | Rapidly degradable | |
| Camphene (79-92-5) | | |
| Persistence and degradability | Rapidly degradable | |
| 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87 | -3) | |
| Persistence and degradability | Rapidly degradable | |
| Citronellol (106-22-9) | | |
| Persistence and degradability | Rapidly degradable | |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) | |
| Persistence and degradability | Rapidly degradable | |
| linalyl acetate (115-95-7) | | |
| Persistence and degradability | Rapidly degradable | |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3 |) | |
| Persistence and degradability | Rapidly degradable | |
| Citronellyl acetate (150-84-5) | | |
| Persistence and degradability | Rapidly degradable | |
| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | | |
| Persistence and degradability | Rapidly degradable | |
| (E)-3,7-dimethylocta-1,3,6-triene (3779-61-1) | | |
| Persistence and degradability | Rapidly degradable | |
| [3R-(3α,3aβ,7β,8aα)]-2,3,4,7,8,8a-hexahydro-3 | 6,8,8-tetramethyl-1H-3a,7-methanoazulene (469-61-4) | |
| Persistence and degradability | Rapidly degradable | |
| cineole (470-82-6) | | |
| Persistence and degradability | Rapidly degradable | |
| α,α,4-trimethylcyclohexanemethanol (498-81-7) | | |
| Persistence and degradability | Rapidly degradable | |
| citral (5392-40-5) | | |
| Persistence and degradability | Rapidly degradable | |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27-5) | | |
| Persistence and degradability | Rapidly degradable | |

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| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6) | |
|--|------------------------------|
| Persistence and degradability | Rapidly degradable |
| Pin-2(3)-ene (80-56-8) | |
| Persistence and degradability | Rapidly degradable |
| 1-isopropyl-4-methylbenzene; p-cymene (99-8 | 37-6) |
| Persistence and degradability | Rapidly degradable |
| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)p | oyran (16409-43-1) |
| Persistence and degradability | Rapidly degradable |
| L-beta-pinene (18172-67-3) | |
| Persistence and degradability | Rapidly degradable |
| p-Mentha-1,4(8)-diene (586-62-9) | |
| Persistence and degradability | Rapidly degradable |
| Terpineol (8000-41-7) | |
| Persistence and degradability | Rapidly degradable |
| p-Mentha-1,4-diene (99-85-4) | |
| Persistence and degradability | Rapidly degradable |
| Sodium chloride (7647-14-5) | |
| Persistence and degradability | Rapidly degradable |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan | -2-ol (464-45-9) |
| Persistence and degradability | Rapidly degradable |
| 12.3. Bioaccumulative potential | |
| HG dishwasher cleaner and odour freshener | |
| Bioaccumulative potential | No bioaccumulation expected. |
| sodium carbonate (497-19-8) | |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 |
| Sodium sulphate (7757-82-6) | |
| Partition coefficient n-octanol/water (Log Pow) | -3 |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 Source: NLM;ChemIDplus |
| 2-methylundecanal (110-41-8) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.67 Source: NLM;ChemIDPlus |
| Octanal (124-13-0) | |
| | 2.78 |
| Partition coefficient n-octanol/water (Log Pow) | 2.10 |
| Partition coefficient n-octanol/water (Log Pow) Camphene (79-92-5) | 2.70 |

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| Citronellol (106-22-9) | | |
|---|--|--|
| Partition coefficient n-octanol/water (Log Pow) | 3.1 | |
| geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (| 106-24-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.5 | |
| linalyl acetate (115-95-7) | | |
| Partition coefficient n-octanol/water (Log Pow) | 3.93 Source: NLM;ChemIDPlus | |
| 7-methyl-3-methyleneocta-1,6-diene (123-35-3 |) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.17 | |
| Citronellyl acetate (150-84-5) | | |
| Partition coefficient n-octanol/water (Log Pow) | 4.56 Source: Epi Suite | |
| cineole (470-82-6) | | |
| Partition coefficient n-octanol/water (Log Pow) | 2.74 | |
| α,α,4-trimethylcyclohexanemethanol (498-81- | 7) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.42 Source: EPISUITE | |
| citral (5392-40-5) | | |
| Partition coefficient n-octanol/water (Log Pow) | 2.8 | |
| (R)-p-mentha-1,8-diene; d-limonene (5989-27- | 5) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 | |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-lina | alool (78-70-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.84 | |
| Pin-2(3)-ene (80-56-8) | | |
| Partition coefficient n-octanol/water (Log Pow) | 4.32 | |
| 1-isopropyl-4-methylbenzene; p-cymene (99-8 | 37-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.1 Source: International Chemical Safety Cards | |
| Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)p | oyran (16409-43-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.58 Source: EPISUITE | |
| L-beta-pinene (18172-67-3) | | |
| Partition coefficient n-octanol/water (Log Pow) | 4.35 | |
| p-Mentha-1,4(8)-diene (586-62-9) | | |
| Partition coefficient n-octanol/water (Log Pow) | 4.47 Source: National Library of Medicine/Hazardous Substances Data Bank | |
| Terpineol (8000-41-7) | | |
| Partition coefficient n-octanol/water (Log Pow) | 3 | |
| p-Mentha-1,4-diene (99-85-4) | | |
| Partition coefficient n-octanol/water (Log Pow) | 4.5 Source: NLM | |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol (464-45-9) | | |
| Partition coefficient n-octanol/water (Log Pow) | 3.01 Source: CHEMIDPLUS | |

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

| 12.4. Mobility in soil | | |
|--|--|--|
| HG dishwasher cleaner and odour freshener | | |
| Ecology - soil | Expected to be highly mobile in soil. | |
| 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (1346 | - 6-78-9) | |
| Mobility in soil | 6324 Source: EPISUITE | |
| 2-methylundecanal (110-41-8) | | |
| Mobility in soil | 192.1 Source: EPISUITE | |
| Citronellol (106-22-9) | | |
| Mobility in soil | 70.79 Source: Quantitative Structure Activity Relation | |
| linalyl acetate (115-95-7) | | |
| Mobility in soil | 432.4 Source: EPISUITE | |
| Citronellyl acetate (150-84-5) | | |
| Mobility in soil | 2409 Source: EPI SUITE | |
| cineole (470-82-6) | | |
| Mobility in soil | 223.9 Source: EPISUITE | |
| $\alpha, \alpha, 4$ -trimethylcyclohexanemethanol (498-81 | -7) | |
| Mobility in soil | 254.3 Source: EPISUITE | |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-lir | nalool (78-70-6) | |
| Mobility in soil | 76 Source: HSDB | |
| Pin-2(3)-ene (80-56-8) | | |
| Mobility in soil | 2600 Source: HSDB | |
| (1S-endo)-1,7,7-trimethylbicyclo[2.2.1]heptar | n-2-ol (464-45-9) | |
| Mobility in soil | 100.4 Source: EPISUITE | |
| 12.5. Results of PBT and vPvB assessment | | |
| No additional information available | | |
| 12.6. Other adverse effects | | |
| Adverse effects on the environment caused by endocrine disrupting properties | The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % | |

12.7. Other adverse effects

No additional information available

| SECTION 13: Disposal considerat | tions |
|---------------------------------|---|
| 13.1. Waste treatment methods | |
| Regional waste regulation | : Dispose of in accordance with relevant local regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |

2018/605 at a concentration equal to or greater than 0,1 %.

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

| Product/Packaging disposal recommendations | : Empty containers retain product residue and can be hazardous. Do not dispose of the packaging without first carrying out the necessary cleaning. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Disposal must be done according to official regulations. Do not burn empty packaging. Do not cut using a blowtorch. |
|--|---|
| Additional information | : Do not re-use empty containers. |

SECTION 14: Transport information

| ADR | IMDG | IATA | ADN | RID |
|------------------------------|---------------|---------------|---------------|---------------|
| 14.1. UN number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping | g name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| Transport document descri | ption | 1 1 | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard c | lass(es) | · · · · | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental haza | ards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information | n available | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Detergent Regulation (648/2004)

Allergenic fragrances > 0.01 %: GERANYL ACETATE CITRONELLOL GERANIOL LINALYL ACETATE CITRAL LIMONENE LINALOOL PINENE L-BETA-PINENE TERPINOLENE TERPINEOL

| Labelling of contents | | |
|-----------------------|---|--|
| Component | % | |
| perfumes | | |
| GERANYL ACETATE | | |
| CITRONELLOL | | |
| GERANIOL | | |
| LINALYL ACETATE | | |
| CITRAL | | |
| LIMONENE | | |
| LINALOOL | | |
| PINENE | | |
| L-BETA-PINENE | | |
| TERPINOLENE | | |
| TERPINEOL | | |

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. United Kingdom

UK REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

UK REACH Candidate List (SVHC)

Contains no substance(s) listed on the UK REACH Candidate List

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| ΙΑΤΑ | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| РВТ | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

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| Abbreviations and acronyms: | |
|-----------------------------|--|
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Training advice

Other information

: Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

Normal use of this product shall imply use in accordance with the instructions on the packaging. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

| Full text of H- and EUH-statements: | | |
|-------------------------------------|---|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 | |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 | |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 | |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 | |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 | |
| Asp. Tox. 1 | Aspiration hazard, Category 1 | |
| EUH208 | Contains 3,7-dimethyl-2,6-octadien-1-yl-acetate (105-87-3) (00022), cineole (470-82-6) (00214), (R)-p-mentha-1,8- diene; d-limonene (5989-27-5) (00252), Linalool (78-70-6) (00600), Pin-2(3)-ene (80-56-8) (00371), p-Mentha-1,4(8)- diene (586-62-9) (00249). May produce an allergic reaction. | |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 | |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 | |
| Flam. Liq. 3 | Flammable liquids, Category 3 | |
| Flam. Sol. 1 | Flammable solids, Category 1 | |
| H226 | Flammable liquid and vapour. | |
| H228 | Flammable solid. | |
| 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. | |

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

| Full text of H- and EUH-statements: | | |
|-------------------------------------|---|--|
| 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. | |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 | |
| Skin Sens. 1 | Skin sensitisation, Category 1 | |
| Skin Sens. 1B | Skin sensitisation, category 1B | |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.