



Prestone



SAFETY DATA SHEET -18 Prestone Screenwash

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

1.1. Product identifier

| | |
|------------------------------------|--|
| Product name | -18 Prestone Screenwash |
| Product number | PSCW0025A, PSCW0026A, PSCW0027A, PSCW0039A, PSCW0039B |
| UFI | UFI: VEK6-0028-0007-E7QK |
| EU REACH registration notes | This is a MIXTURE; no registration information contained in this document. Holts are classed as Downstream User. |

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

| | |
|------------------------|-------------------------------------|
| Identified uses | Car maintenance product. Screenwash |
|------------------------|-------------------------------------|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------------------|---|
| Supplier | Holt Lloyd Services 52 Rue des 40 Mines, 60000 – Allonne, France Phone: +33 (0)3 64 99 00 32 info@holtsauto.com |
| Contact person | Contact email address: info@holtsauto.com |
| Manufacturer | Holt Lloyd International Ltd Barton Dock Road Stretford Manchester M32 0YQ - England, UK +44 (0) 161 866 4800 FAX +44 (0) 161 866 4854 www.holtsauto.com |

1.4. Emergency telephone number

| | |
|----------------------------|--|
| Emergency telephone | UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs |
|----------------------------|--|

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National emergency telephone number +43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria)
 +32022649636; info@poisoncentre.be (Belgium)
 +359 2 9154 409; poison_centre@mail.orbitel.bg (Bulgaria)
 +38514686910; toksikologija@hzjz.hr (Croatia)
 +35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus)
 +420267082257; biocidy@mzcr.cz (Czech Republic)
 +45 72 54 40 00; mst@mst.dk (Denmark)
 +372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia)
 +358 5052 000; kirjaamo@tukes.fi (Finland)
 + 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)
 +49-30-18412-0; bfr@bfr.bund.de (Germany)
 +302106479250; +302106479450; devxp.gcsf@aade.gr, environment.gcsf@aade.gr (Greece)
 +36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary)
 +354 543 22 22; eitur@landspitali.is (Iceland)
 +353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland)
 +390649906140; inscweb@iss.it (Italy)
 +371 67032600; lvgmc@lvgmc.lv (Latvia)
 +370 70662008; aaa@aaa.am.lt (Lithuania)
 +320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg)
 +356 2395 2000; info@mccaa.org.mt (Malta)
 +31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands)
 +4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway)
 +48 42 2538 400; biuro@chemikalia.gov.pl (Poland)
 +351 800 250 250; ciav.tox@inem.pt (Portugal)
 +40213183606; infotox@insp.gov.ro (Romania)
 +7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia)
 +421 2 5465 2307; ntic@ntic.sk (Slovakia)
 + 386 1 522 1293; gp.ukc@kclj.si (Slovenia)
 +34 917689800; intcf.doc@justicia.es (Spain)
 +46104566750; giftinformation@gic.se (Sweden)
 +44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

| | |
|-----------------------|---------------------|
| Physical hazards | Flam. Liq. 3 - H226 |
| Health hazards | Eye Irrit. 2 - H319 |
| Environmental hazards | Not Classified |

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements
 H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.

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| | |
|---|--|
| Precautionary statements | <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |
| UFI | UFI: VEK6-0028-0007-E7QK |
| Supplementary precautionary statements | <p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> |

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|-----------------------|----------------------|
| ETHANOL | 25-50% |
| CAS number: 64-17-5 | EC number: 200-578-6 |
| Classification | |
| Flam. Liq. 2 - H225 | |
| Eye Irrit. 2 - H319 | |
| PROPAN-2-OL | <1% |
| CAS number: 67-63-0 | EC number: 200-661-7 |
| Classification | |
| Flam. Liq. 2 - H225 | |
| Eye Irrit. 2 - H319 | |
| STOT SE 3 - H336 | |
| METHANOL | <1% |
| CAS number: 67-56-1 | EC number: 200-659-6 |
| Classification | |
| Flam. Liq. 2 - H225 | |
| Acute Tox. 3 - H301 | |
| Acute Tox. 3 - H311 | |
| Acute Tox. 3 - H331 | |
| STOT SE 1 - H370 | |

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| | |
|------------------------------------|----------------------|
| Ammonia Solution | <1% |
| CAS number: 1336-21-6 | EC number: 215-647-6 |
| M factor (Acute) = 1 | |
| Classification | |
| Skin Corr. 1B - H314 | |
| Eye Dam. 1 - H318 | |
| STOT SE 3 - H335 | |
| Aquatic Acute 1 - H400 | |
| Tridecyl alcohol ethoxylate | <1% |
| CAS number: 9043-30-5 | EC number: 932-745-0 |
| Classification | |
| Acute Tox. 4 - H302 | |
| Eye Dam. 1 - H318 | |
| Aquatic Chronic 3 - H412 | |
| Hexyl D-glucoside | <1% |
| CAS number: 54549-24-5 | EC number: 259-217-6 |
| Classification | |
| Eye Dam. 1 - H318 | |
| Ethenediol | <1% |
| CAS number: 107-21-1 | EC number: 203-473-3 |
| Classification | |
| Acute Tox. 4 - H302 | |
| STOT RE 2 - H373 | |
| Tartrazine | <1% |
| CAS number: 1934-21-0 | EC number: 217-699-5 |
| Classification | |
| Not Classified | |
| Denatonium Benzoate | <1% |
| CAS number: 3734-33-6 | EC number: 223-095-2 |
| Classification | |
| Acute Tox. 4 - H302 | |
| Acute Tox. 4 - H332 | |
| Skin Irrit. 2 - H315 | |
| Eye Dam. 1 - H318 | |
| Aquatic Chronic 3 - H412 | |

The full text for all hazard statements is displayed in Section 16.

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**Benzenesulfonic acid, methyl-,
- mono-C20-24-branched alkyl
derivs., calcium salts**

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| General information | Treat symptomatically. |
| Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If throat irritation or coughing persists, proceed as follows. Get medical attention. Show this Safety Data Sheet to the medical personnel. Place unconscious person on their side in the recovery position and ensure breathing can take place. Do not induce vomiting. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Get medical attention immediately. |
| Ingestion | Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing. |

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

| | |
|----------------------------|---|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| Inhalation | Vapours may cause headache, fatigue, dizziness and nausea. |
| Ingestion | May cause discomfort if swallowed. |
| Skin contact | May be slightly irritating to skin. Prolonged or repeated exposure may cause severe irritation. |
| Eye contact | Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation. |

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

| | |
|-----------------------------|------------------------|
| Notes for the doctor | Treat symptomatically. |
|-----------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|--|
| Specific hazards | In case of fire, toxic and corrosive gases may be formed. No unusual fire or explosion hazards noted. |
| Hazardous combustion products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen. |

5.3. Advice for firefighters

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Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from food, drink and animal feeding stuffs. Store in a cool and well-ventilated place. Store in tightly-closed, original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): WEL

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

Ethanediol

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Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Sk

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

ETHANOL (CAS: 64-17-5)

| | |
|-------------|---|
| DNEL | <p>Workers - Inhalation; Long term systemic effects: 950 mg/m³</p> <p>Workers - Inhalation; Short term local effects: 1900 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 343 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 114 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 206 mg/kg bw/day</p> <p>General population - Oral; Long term systemic effects: 87 mg/kg bw/day</p> <p>General population - Inhalation; Short term local effects: 950 mg/m³</p> |
| PNEC | <p>Fresh water; Long term 0.96 mg/l</p> <p>marine water; Long term 0.79 mg/l</p> <p>Intermittent release; Long term 2.75 mg/l</p> <p>STP; Long term 580 mg/l</p> <p>Sediment (Freshwater); Long term 3.6 mg/kg sediment dry weight</p> <p>Sediment (Marinewater); Long term 2.9 mg/kg sediment dry weight</p> <p>Soil; Long term 0.63 mg/kg soil dry weight</p> |

PROPAN-2-OL (CAS: 67-63-0)

| | |
|-------------|---|
| DNEL | <p>Workers - Inhalation; Long term systemic effects: 500 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 888 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 89 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 319 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 26 mg/kg/day</p> |
| PNEC | <p>Fresh water; Long term 140.9 mg/l</p> <p>marine water; Long term 140.9 mg/l</p> <p>Sediment (Freshwater); Long term 552 mg/kg sediment dry weight</p> <p>Sediment (Marinewater); Long term 552 mg/kg sediment dry weight</p> <p>Soil; Long term 28 mg/kg soil dry weight</p> |

METHANOL (CAS: 67-56-1)

| | |
|-------------|--|
| DNEL | <p>Workers - Inhalation; Long term systemic effects: 260 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 260 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 260 mg/m³</p> <p>Workers - Inhalation; Short term local effects: 260 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 40 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 50 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 50 mg/m³</p> <p>General population - Inhalation; Long term local effects: 50 mg/m³</p> <p>General population - Inhalation; Short term local effects: 50 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 8 mg/kg bw/day</p> <p>General population - Dermal; Short term systemic effects: 8 mg/kg bw/day</p> <p>General population - Oral; Long term systemic effects: 8 mg/kg bw/day</p> <p>General population - Oral; Short term systemic effects: 8 mg/kg bw/day</p> |
|-------------|--|

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PNEC Fresh water; 20.8 mg/l
 marine water; 2.08 mg/l
 STP; 100 mg/l
 Intermittent release; 1540 mg/l
 Sediment (Freshwater); 77 mg/kg sediment dry weight
 Sediment (Marinewater); 7.7 mg/kg sediment dry weight
 Soil; 100 mg/kg soil dry weight

Hexyl D-glucoside (CAS: 54549-24-5)

DNEL Workers - Inhalation; Long term systemic effects: 420 mg/m³
 Workers - Dermal; Long term systemic effects: 595 000 mg/kg/day
 General population - Inhalation; Long term systemic effects: 124 mg/m³
 General population - Dermal; Long term systemic effects: 357 000 mg/kg/day
 General population - Oral; Long term systemic effects: 35.7 mg/kg/day

PNEC Fresh water; 0.176 mg/l
 Intermittent release; 4.2 mg/l
 marine water; 0.018 mg/l
 STP; 100 mg/l
 Sediment (Freshwater); 0.72 mg/kg
 Sediment (Marinewater); 0.072 mg/kg
 Soil; 0.654 mg/kg

Ethenediol (CAS: 107-21-1)

DNEL Workers - Inhalation; Long term local effects: 35 mg/m³
 Workers - Dermal; Long term systemic effects: 106 mg/kg/day
 General population - Inhalation; Long term local effects: 7 mg/m³
 General population - Dermal; Long term systemic effects: 53 mg/kg/day

PNEC Fresh water; 10 mg/l
 marine water; 1 mg/l
 STP; 199.5 mg/l
 Sediment (Freshwater); 37 mg/kg
 Sediment (Marinewater); 3.7 mg/kg
 Soil; 1.53 mg/kg

Tartrazine (CAS: 1934-21-0)

DNEL Workers - Inhalation; Long term systemic effects: 372.52 mg/m³
 Workers - Dermal; Long term systemic effects: 52.82 mg/kg/day
 General population - Inhalation; Long term systemic effects: 91.86 mg/m³
 General population - Dermal; Long term systemic effects: 26.41 mg/kg/day
 General population - Oral; Long term systemic effects: 26.42 mg/kg/day

PNEC Fresh water; 0.12 mg/l
 marine water; 0.012 mg/l
 STP; 10 mg/l
 Sediment (Freshwater); 0.47 mg/kg
 Sediment (Marinewater); 0.047 mg/kg
 Soil; 0.024 mg/kg

Denatonium Benzoate (CAS: 3734-33-6)

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| | |
|-------------|---|
| DNEL | <p>Workers - Inhalation; Long term systemic effects: 4.99 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 1.43 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 0.768 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 0.51 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 0.51 mg/kg/day</p> |
| PNEC | <p>Fresh water; 0.1 mg/l</p> <p>marine water; 10 µg/l</p> <p>Sediment (Freshwater); 25 mg/kg</p> <p>Sediment (Marinewater); 2.5 mg/kg</p> <p>Soil; 4.96 mg/kg</p> |

8.2. Exposure controls

Protective equipment



| | |
|---|---|
| Appropriate engineering controls | No specific ventilation requirements. |
| Eye/face protection | Wear chemical splash goggles. |
| Hand protection | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. |
| Other skin and body protection | Wear appropriate clothing to prevent reasonably probable skin contact. |
| Hygiene measures | Wash hands after handling. |
| Respiratory protection | If ventilation is inadequate, suitable respiratory protection must be worn. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------|-----------------------------------|
| Appearance | Clear, yellowish liquid. |
| Colour | Yellow. |
| Odour | Alcoholic. |
| pH | pH (concentrated solution): 10.48 |
| Melting point | -18.6°C |
| Flash point | 31°C Closed cup. |
| Relative density | 0.960 |
| Solubility(ies) | Miscible with water. |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|-------------------|---|
| Reactivity | There are no known reactivity hazards associated with this product. |
|-------------------|---|

10.2. Chemical stability

| | |
|------------------|---|
| Stability | Stable under the prescribed storage conditions. |
|------------------|---|

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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Avoid freezing.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 50,847.46

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (gases ppm) 118,644.07

ATE inhalation (vapours mg/l) 508.47

ATE inhalation (dusts/mists mg/l) 84.75

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

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Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed.

Skin contact May be slightly irritating to skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.

Toxicological information on ingredients.

ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,470.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 17,100.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 124.7

Species Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

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| | |
|--|--|
| Carcinogenicity | Does not contain any substances known to be carcinogenic. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | This substance has no evidence of toxicity to reproduction. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. |

PROPAN-2-OL

| | |
|---|--|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 5,045.0 |
| Species | Rat |
| ATE oral (mg/kg) | 5,045.0 |
| <u>Acute toxicity - dermal</u> | |
| Acute toxicity dermal (LD₅₀ mg/kg) | 12,800.0 |
| Species | Rabbit |
| <u>Acute toxicity - inhalation</u> | |
| Acute toxicity inhalation (LC₅₀ vapours mg/l) | 20.0 |
| Species | Rat |
| <u>Skin corrosion/irritation</u> | |
| Skin corrosion/irritation | Not irritating. |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Causes serious eye irritation. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | Not sensitising. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Does not contain any substances known to be mutagenic. |
| <u>Carcinogenicity</u> | |

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| | |
|--|--|
| Carcinogenicity | Does not contain any substances known to be carcinogenic. |
| IARC carcinogenicity | IARC Group 3 Not classifiable as to its carcinogenicity to humans. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | This substance has no evidence of toxicity to reproduction. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Brain damage. Central and/or peripheral nervous system damage. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. |

METHANOL

| | |
|---|-------|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 300.0 |
| Species | Human |
| ATE oral (mg/kg) | 100.0 |
| <u>Acute toxicity - dermal</u> | |
| Acute toxicity dermal (LD₅₀ mg/kg) | 300.0 |
| Species | Human |
| ATE dermal (mg/kg) | 300.0 |
| <u>Acute toxicity - inhalation</u> | |
| Acute toxicity inhalation (LC₅₀ gases ppmV) | 700.0 |
| Acute toxicity inhalation (LC₅₀ vapours mg/l) | 3.0 |
| Acute toxicity inhalation (LC₅₀ dust/mist mg/l) | 0.5 |
| ATE inhalation (gases ppm) | 700.0 |
| ATE inhalation (vapours mg/l) | 3.0 |
| ATE inhalation (dusts/mists mg/l) | 0.5 |
| <u>Skin corrosion/irritation</u> | |

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| | |
|--|--|
| Skin corrosion/irritation | Not irritating. |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Based on available data the classification criteria are not met. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Negative. |
| Genotoxicity - in vivo | Negative. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL 466 mg/kg bw/day, Oral, Rat |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | No information available. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Central and/or peripheral nervous system damage. Eyes |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | LOAEL 2340 mg/kg, Oral, Monkey NOAEL 1.06 mg/l, Inhalation, Rat |
| Target organs | Central nervous system Eyes |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Not relevant. |
| <u>Inhalation</u> | |
| Inhalation | Toxic by inhalation. Drowsiness. Dizziness. |
| <u>Ingestion</u> | |
| Ingestion | Toxic if swallowed. Unconsciousness, possibly death. |
| <u>Skin contact</u> | |
| Skin contact | Toxic in contact with skin. |
| <u>Eye contact</u> | |
| Eye contact | May cause temporary eye irritation. |
| Target organs | Kidneys Liver Heart and cardiovascular system |
| Medical considerations | Liver and/or kidney damage. |
| <u>Hexyl D-glucoside</u> | |
| <u>Acute toxicity - oral</u> | |
| Notes (oral LD₅₀) | LD ₅₀ > 2000 mg/kg, Oral, Rat |
| <u>Acute toxicity - dermal</u> | |
| Notes (dermal LD₅₀) | LD ₅₀ > 2000 mg/kg, Dermal, Rabbit |
| <u>Acute toxicity - inhalation</u> | |
| Notes (inhalation LC₅₀) | No specific test data are available. |

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Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility One-generation study - NOAEL 1000 mg/kg/day, Oral, Rat F0 No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development Maternal toxicity:, Fetotoxicity:, Teratogenicity: - NOAEL: 1000 mg/kg/day, Oral, Rat No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not relevant.

Ethenediol

Acute toxicity - oral

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 3500 mg/kg, Dermal, Mouse

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 > 2.5 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

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Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Three-generation study - NOAEL > 1000 mg/kg bw/day, Oral, Rat F2 Fertility - NOEL 1000 mg/kg bw/day, Oral, Mouse F1

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Prolonged or repeated exposure may cause the following adverse effects: Liver and/or kidney damage.

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation No specific health hazards known.

Ingestion Harmful if swallowed.

Skin contact May be slightly irritating to skin.

Eye contact May be slightly irritating to eyes.

Tartrazine

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral, Mouse

Acute toxicity - dermal

Notes (dermal LD₅₀) Conclusive data but not sufficient for classification. REACH dossier information.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Scientifically unjustified.

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

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| | |
|---|--|
| Serious eye damage/irritation | Based on available data the classification criteria are not met. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | No adverse effects observed (negative) |
| Genotoxicity - in vivo | No adverse effects observed (negative) |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL 2641 mg/kg/day, Oral, Rat No evidence of carcinogenicity in animal studies. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Two-generation study - NOAEL , Oral, Rat P |
| Reproductive toxicity - development | Developmental toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat This substance has no evidence of toxicity to reproduction. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Not relevant. |

Denatonium Benzoate

| | |
|---|--|
| <u>Acute toxicity - oral</u> | |
| Notes (oral LD₅₀) | LD ₅₀ 749 mg/kg, Oral, Rat |
| <u>Acute toxicity - dermal</u> | |
| Notes (dermal LD₅₀) | LD ₅₀ > 2000 mg/kg, Dermal, Rat |
| <u>Acute toxicity - inhalation</u> | |
| Notes (inhalation LC₅₀) | LC50 0.2 mg/l, Inhalation, Rat |
| <u>Skin corrosion/irritation</u> | |
| Skin corrosion/irritation | Causes skin irritation. |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Causes serious eye damage. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |

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| | |
|--|--|
| Skin sensitisation | Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Negative. |
| Genotoxicity - in vivo | Negative. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL 16 mg/kg/day, Oral, Rat No evidence of carcinogenicity in animal studies. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Two-generation study - NOAEL 60 mg/kg/day, Oral, Rat P, F1 No evidence of reproductive toxicity in animal studies. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Not relevant. |

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish No information available.

Acute toxicity - aquatic invertebrates Not available.

Acute toxicity - aquatic plants Not available.

Acute toxicity - microorganisms Not available.

Acute toxicity - terrestrial Not available.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage Not available.

Short term toxicity - embryo and sac fry stages Not available.

Chronic toxicity - aquatic invertebrates Not available.

Ecological information on ingredients.

ETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 13000 mg/l, Oncorhynchus mykiss (Rainbow trout)

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| | |
|---|--|
| Acute toxicity - aquatic invertebrates | LC ₅₀ , 48 hours: 12340 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 48 hours: 12900 mg/l, Selenastrum capricornutum |
| Acute toxicity - microorganisms | EC ₅₀ , 4 hours: 5800 mg/l, Activated sludge |
| <u>Chronic aquatic toxicity</u> | |
| Chronic toxicity - fish early life stage | NOEC, 24 days: 0.08 mg/l, Pimephales promelas (Fat-head Minnow) |
| Chronic toxicity - aquatic invertebrates | NOEC, 10 days: 9.6 mg/l, Daphnia magna |

PROPAN-2-OL

| | |
|---|---|
| <u>Acute aquatic toxicity</u> | |
| Acute toxicity - fish | LC ₅₀ , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 24 hours: > 10000 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 7 days: 180 mg/l, Selenastrum capricornutum |

METHANOL

| | |
|---|---|
| <u>Acute aquatic toxicity</u> | |
| Acute toxicity - fish | LC ₅₀ , 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill) NOEC, 200 hours: 15800 mg/l, Oryzias latipes (Red killifish) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 10000 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 96 hours: 22000 mg/l, Selenastrum capricornutum |
| Acute toxicity - microorganisms | IC ₅₀ , 3 hours: > 1000 mg/l, IC ₅₀ , 15 hours: 20000 mg/l, |

Ammonia Solution

| | |
|--------------------------------------|-------------------------------|
| <u>Acute aquatic toxicity</u> | |
| LE(C)₅₀ | 0.1 < L(E)C ₅₀ ≤ 1 |
| M factor (Acute) | 1 |

Hexyl D-glucoside

| | |
|---|---|
| <u>Acute aquatic toxicity</u> | |
| Acute toxicity - fish | LC ₅₀ , 96 hours: 420 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: > 100 mg/l, Scophthalmus maximus |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 100 mg/l, Daphnia magna LL ₅₀ , 48 hours: 730 mg/l, Acartia tonsa |

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| | |
|--|--|
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: 780 mg/l, Scenedesmus subspicatus NOEC, 72 hours: 125 mg/l, Scenedesmus subspicatus EL50, 72 hours: 435 mg/l, Skeletonema costatum NOEL, 72 hours: 180 mg/l, Skeletonema costatum |
| Acute toxicity - microorganisms | EC ₅₀ , 4 hours: > 1000 mg/l, Activated sludge |
| Acute toxicity - terrestrial | LC ₅₀ , 10 days: > 1547 mg/kg, Corophium volutator NOEC, 10 days: 698 mg/kg, Corophium volutator NOEC, 14 days: 654 mg/kg, Eisenia Fetida (Earthworm) NOEC, 14 days: 654 mg/kg, Avena sativa, Brassica rapa, Lycopersicon esculentum |

Chronic aquatic toxicity

| | |
|---|--|
| Chronic toxicity - fish early life stage | NOEC, 28 days: 1.8 mg/l, Brachydanio rerio (Zebra Fish) |
| Chronic toxicity - aquatic invertebrates | EC ₁₀ , 21 days: 1.76 mg/l, Freshwater invertebrates NOEC, 21 days: 2 mg/l, Freshwater invertebrates |

Ethanediol

Acute aquatic toxicity

| | |
|---|---|
| Acute toxicity - fish | LC ₅₀ , 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 100 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | IC ₅₀ , 96 hours: 10940 mg/l, Pseudokirchneriella subcapitata |
| Acute toxicity - microorganisms | EC ₂₀ , 30 minutes: 1995 mg/l, Activated sludge Read-across data. |

Chronic aquatic toxicity

| | |
|---|--|
| Chronic toxicity - fish early life stage | LC ₅₀ , 28 days: > 1500 mg/l, Menidia peninsulae (Tidewater silverside) |
| Chronic toxicity - aquatic invertebrates | EC ₅₀ , 21 days: > 100 mg/l, Daphnia magna |

Tartrazine

Acute aquatic toxicity

| | |
|---|---|
| Acute toxicity - fish | LC ₅₀ , 96 hours: > 125 mg/l, Leuciscus idus (Golden orfe) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 125 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: > 125 mg/l, Desmodemus subspicatus |
| Acute toxicity - microorganisms | EC ₅₀ , 3 hours: > 1000 mg/l, Activated sludge |

Denatonium Benzoate

Acute aquatic toxicity

| | |
|------------------------------|---|
| Acute toxicity - fish | LC ₅₀ , 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish) |
|------------------------------|---|

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| | |
|---|---|
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 500 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: 281.556 mg/l, Chlorella vulgaris |
| Acute toxicity - microorganisms | EC ₅₀ , 15 minutes: 511.58 mg/l, Vibrio fischeri |

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

Ecological information on ingredients.

ETHANOL

| | |
|--------------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
| Biological oxygen demand | 1000 mg/g |
| Chemical oxygen demand | 1900 mg/g |

PROPAN-2-OL

| | |
|--------------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|--------------------------------------|--------------------|

METHANOL

| | |
|--------------------------------------|---|
| Persistence and degradability | Rapidly degradable 71.5% 5 days 95% 20 days |
|--------------------------------------|---|

Hexyl D-glucoside

| | |
|--------------------------------------|---|
| Persistence and degradability | Rapidly degradable |
| Stability (hydrolysis) | pH4, pH7, pH9 - Degradation 0%: 5 days @ 50°C |

Ethenediol

| | |
|--------------------------------------|------------------------------------|
| Persistence and degradability | 10 days 90-100% Rapidly degradable |
|--------------------------------------|------------------------------------|

Tartrazine

| | |
|--------------------------------------|---|
| Persistence and degradability | Not readily biodegradable. |
| Stability (hydrolysis) | Scientifically unjustified. REACH dossier information. |

Denatonium Benzoate

| | |
|--------------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|--------------------------------------|----------------------------|

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Stability (hydrolysis) pH4, pH7, pH9 - Degradation 10%: ~ 5 days @ 50°C
 pH 5, pH7, pH9 - Degradation 10%: ~ 5 days @ 25°C
 pH 5 -10 - Half-life : ~ 1 year @ 25-50°C

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

ETHANOL

Partition coefficient log Pow: -0.35

PROPAN-2-OL

Bioaccumulative potential No potential for bioaccumulation.

Partition coefficient log Pow: 0.05

METHANOL

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: - 0.82 log Pow: - 0.66

Hexyl D-glucoside

Bioaccumulative potential No information required.

Ethenediol

Partition coefficient log Pow: -1.36 QSAR data.

Tartrazine

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility The product contains substances which are water-soluble and may spread in water systems.

Ecological information on ingredients.

ETHANOL

Mobility Mobile.

Henry's law constant 3.3 x 10E-6 atm m³/mol @ °C

Surface tension 24.5 mN/m @ 20°C

PROPAN-2-OL

Mobility Mobile.

Surface tension 22.7 mN/m @ 20°C

Hexyl D-glucoside

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Adsorption/desorption coefficient - Log Koc: 0.7 - 1.7 @ 20°C

Tartrazine

Adsorption/desorption coefficient Calculation method. log Koc -4.228 @ 20 deg C Expected to have a low potential for adsorption.

Denatonium Benzoate

Adsorption/desorption coefficient Soil - Koc: 2466.04 @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

PROPAN-2-OL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

METHANOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Hexyl D-glucoside

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Ethenediol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Tartrazine

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

Denatonium Benzoate

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

-18 Prestone Screenwash**SECTION 14: Transport information**

General Refer to the Dangerous Goods List for information on any Special Provisions 274, 601.

14.1. UN number

| | |
|------------------|------|
| UN No. (ADR/RID) | 1987 |
| UN No. (IMDG) | 1987 |
| UN No. (ICAO) | 1987 |
| UN No. (ADN) | 1987 |

14.2. UN proper shipping name

| | |
|--------------------------------|--|
| Proper shipping name (ADR/RID) | ALCOHOLS, N.O.S. (CONTAINS ETHANOL, ISOPROPANOL) |
| Proper shipping name (IMDG) | ALCOHOLS, N.O.S. (CONTAINS ETHANOL, ISOPROPANOL) |
| Proper shipping name (ICAO) | ALCOHOLS, N.O.S. (CONTAINS ETHANOL, ISOPROPANOL) |
| Proper shipping name (ADN) | ALCOHOLS, N.O.S. (CONTAINS ETHANOL, ISOPROPANOL) |

14.3. Transport hazard class(es)

| | |
|-----------------------------|----|
| ADR/RID class | 3 |
| ADR/RID classification code | F1 |
| ADR/RID label | 3 |
| IMDG class | 3 |
| ICAO class/division | 3 |
| ADN class | 3 |

Transport labels**14.4. Packing group**

| | |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group | III |
| ICAO packing group | III |
| ADN packing group | III |

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

| | |
|------------------------|----------|
| EmS | F-E, S-D |
| ADR transport category | 3 |
| Emergency Action Code | •3Y |

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Hazard Identification Number 30
(ADR/RID)

Tunnel restriction code (D/E)

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

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Authorisations (SI 2020 No. 1577 Annex XIV) No specific authorisations are known for this product.

Restrictions (SI 2020 No. 1577 Annex XVII) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

BOD: Biochemical Oxygen Demand.

CAS: Chemical Abstracts Service.

DNEL: Derived No Effect Level.

EC₅₀: 50% of maximal Effective Concentration.

GHS: Globally Harmonized System.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LC50: Lethal Concentration to 50 % of a test population.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LOAEC: Lowest Observed Adverse Effect Concentration.

LOAEL: Lowest Observed Adverse Effect Level.

LOEC: Lowest Observed Effect Concentration.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

NOEC: No Observed Effect Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

SVHC: Substances of Very High Concern.

vPvB: Very Persistent and Very Bioaccumulative.

Revision date 27/04/2023

Revision 5

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Supersedes date 12/01/2023

SDS number 21440

Hazard statements in full

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if swallowed.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.
- H370 Causes damage to organs (Central nervous system, Optic nerve (nervus opticus)) if swallowed or in contact with skin.