# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
UK Reach Regulation (2015/830 as amended)

**Revision date** 18/10/2023 **Revision Number** 1.02

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

### 1.1. Product identifier

**Product Code(s)** NQA2485, PAFR0035B, PAFR0038B, PAFR0041B, PAFR0057B

**Product Name** Prestone Corguard Anti Freeze RTU

**Pure substance/mixture** Mixture

Contains Ethylene glycol

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

**Recommended use** Anti-freeze and de-icing products

**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

**Supplier**
Holts Auto
Unit 100 Barton Dock Road
Manchester
United Kingdom
M32 0YQ

For further information, please contact

Contact Point www.holtsauto.com

**E-mail address** www.holtsauto.com

### 1.4. Emergency telephone number

Emergency Telephone Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.
00 44 (0) 161 886 4806 (24 Hour Voicemail).

| | |
|---|---|
| **United Kingdom** | Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.<br>00 44 (0) 161 886 4806 (24 Hour Voicemail). |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

| | |
|---|---|
| **Skin corrosion/irritation** | Category 2 - (H315) |
| **Serious eye damage/eye irritation** | Category 2 - (H319) |
| **Specific target organ toxicity — repeated exposure** | Category 2 - (H373) |

### 2.2. Label elements

Contains Ethylene glycol

**Signal word**
Warning

**Hazard statements**
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary statements**
P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves and eye/face protection
P501 - Dispose of contents/ container to an approved waste disposal plant

**Unknown aquatic toxicity** Contains 0.00098 % of components with unknown hazards to the aquatic environment.

**Additional information**
This product requires tactile warnings if supplied to the general public.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | Weight-% | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---|---|---|---|---|---|---|---|
| Ethylene glycol 107-21-1 | 25 - <50% | 203-473-3 (603-027-00-1) | - | Acute Tox. 4 (H302) | - | - | - |
| HEPTANOIC ACID 111-14-8 | 1 - <2.5% | 203-838-7 (607-196-00-2) | - | Skin Corr. 1B (H314) | - | - | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SODIUM HYDROXIDE 1310-73-2 | 0.5 - <1% | 215-185-5 (011-002-00-6) | - | Skin Corr. 1A (H314) | Eye Irrit. 2 :: 0.5%<=C<2% Skin Corr. 1A :: C>=5% Skin Corr. 1B :: 2%<=C<5% Skin Irrit. 2 :: 0.5%<=C<2% | - | - |
| PHOSPHORIC ACID ...% 7664-38-2 | 0.025 - <0.25% | 231-633-2 (015-011-00-6) | - | Skin Corr. 1B (H314) | Eye Irrit. 2 :: 10%<=C<25% Skin Corr. 1B :: C>=25% Skin Irrit. 2 :: 10%<=C<25% | - | - |
| PROPAN-1-OL 71-23-8 | 0.025 - <0.25% | 200-746-9 (603-003-00-0) | - | Flam. Liq. 2 (H225) Eye Dam. 1 (H318) STOT SE 3 (H336) | - | - | - |

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation.

**Effects of Exposure** No information available.

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

**Note to doctors** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| | |
|---|---|
| **Suitable Extinguishing Media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| **Large Fire** | CAUTION: Use of water spray when fighting fire may be inefficient. |
| **Unsuitable extinguishing media** | Do not scatter spilled material with high pressure water streams. |

**5.2. Special hazards arising from the substance or mixture**

| | |
|---|---|
| **Specific hazards arising from the chemical** | No information available. |

**5.3. Advice for firefighters**

| | |
|---|---|
| **Special protective equipment and precautions for fire-fighters** | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Personal precautions** | Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. |
| **Other information** | Refer to protective measures listed in Sections 7 and 8. |
| **For emergency responders** | Use personal protection recommended in Section 8. |

**6.2. Environmental precautions**

| | |
|---|---|
| **Environmental precautions** | Prevent further leakage or spillage if safe to do so. |

**6.3. Methods and material for containment and cleaning up**

| | |
|---|---|
| **Methods for containment** | Prevent further leakage or spillage if safe to do so. |
| **Methods for cleaning up** | Take up mechanically, placing in appropriate containers for disposal. |
| **Prevention of secondary hazards** | Clean contaminated objects and areas thoroughly observing environmental regulations. |

**6.4. Reference to other sections**

| | |
|---|---|
| **Reference to other sections** | See section 8 for more information. See section 13 for more information. |

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

| | |
|---|---|
| **Advice on safe handling** | Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. |
| **General hygiene considerations** | Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. |

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Exposure Limits**

| Chemical name | United Kingdom |
|---|---|
| Ethylene glycol<br>107-21-1 | TWA: 10 mg/m³<br>TWA: 20 ppm<br>TWA: 52 mg/m³<br>STEL: 40 ppm<br>STEL: 104 mg/m³<br>STEL: 30 mg/m³<br>Sk* |
| SODIUM HYDROXIDE<br>1310-73-2 | STEL: 2 mg/m³ |
| PHOSPHORIC ACID ...%<br>7664-38-2 | TWA: 1 mg/m³<br>STEL: 2 mg/m³ |
| PROPAN-1-OL<br>71-23-8 | TWA: 200 ppm<br>TWA: 500 mg/m³<br>STEL: 250 ppm<br>STEL: 625 mg/m³<br>Sk* |

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Ethylene glycol<br>107-21-1 | | 106 mg/kg bw/day [4] [6] | 35 mg/m³ [5] [6] |
| HEPTANOIC ACID<br>111-14-8 | | 14 mg/kg bw/day [4] [6] | 98.7 mg/m³ [4] [6] |
| SODIUM HYDROXIDE<br>1310-73-2 | | | 1 mg/m³ [5] [6] |
| Neodecanoic acid<br>26896-20-8 | | 29 mg/kg bw/day [4] [6] | 86 mg/m³ [4] [6] |
| sodium 4(or 5)-methyl-1H-benzotriazolide<br>64665-57-2 | | 0.5 mg/kg bw/day [4] [6] | 8.8 mg/m³ [4] [6] |
| PROPAN-1-OL<br>71-23-8 | | 136 mg/kg bw/day [4] [6] | 268 mg/m³ [4] [6]<br>1723 mg/m³ [4] [7] |
| Denatonium Benzoate<br>3734-33-6 | | 1.43 mg/kg bw/day [4] [6] | 4.99 mg/m³ [4] [6] |

**Notes**

| | |
|---|---|
| **[4]** | Systemic health effects. |
| **[5]** | Local health effects. |
| **[6]** | Long term. |
| **[7]** | Short term. |

**Derived No Effect Level (DNEL) - General Public**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Ethylene glycol<br>107-21-1 | | | 7 mg/m³ [5] [6] |
| HEPTANOIC ACID<br>111-14-8 | 5 mg/kg bw/day [4] [6] | | 8.7 mg/m³ [4] [6] |
| SODIUM HYDROXIDE<br>1310-73-2 | | | 1 mg/m³ [5] [6] |
| Neodecanoic acid<br>26896-20-8 | 17.5 mg/kg bw/day [4] [6] | | 25.79 mg/m³ [4] [6] |
| sodium 4(or 5)-methyl-1H-benzotriazolide<br>64665-57-2 | 0.25 mg/kg bw/day [4] [6]<br>0.54 mg/kg bw/day [4] [7] | | 4.4 mg/m³ [4] [6] |
| PROPAN-1-OL<br>71-23-8 | 61 mg/kg bw/day [4] [6] | | 80 mg/m³ [4] [6]<br>1036 mg/m³ [4] [7] |
| Denatonium Benzoate<br>3734-33-6 | 0.51 mg/kg bw/day [4] [6] | | 0.768 mg/m³ [4] [6] |

**Notes**

| | |
|---|---|
| **[4]** | Systemic health effects. |
| **[5]** | Local health effects. |
| **[6]** | Long term. |
| **[7]** | Short term. |

**Predicted No Effect Concentration (PNEC)**

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---|---|---|---|---|---|
| Ethylene glycol<br>107-21-1 | 10 mg/L | 10 mg/L | 1 mg/L | 10 mg/L | |
| HEPTANOIC ACID<br>111-14-8 | 0.4 mg/L | 0.612 mg/L | 0.04 mg/L | | |
| Neodecanoic acid<br>26896-20-8 | 0.11 mg/L | | 0.011 mg/L | | |
| sodium 4(or 5)-methyl-1H-benzotriazolide<br>64665-57-2 | 0.008 mg/L | 0.086 mg/L | 0.008 mg/L | | |
| PROPAN-1-OL<br>71-23-8 | 6.83 mg/L | 10 mg/L | 0.683 mg/L | | |
| Denatonium Benzoate<br>3734-33-6 | 0.1 mg/L | 1 mg/L | 10 µg/L | 0.1 mg/L | |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| Ethylene glycol | 37 mg/kg sediment | 3.7 mg/kg sediment | 199.5 mg/L | 1.53 mg/kg soil dw | |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| 107-21-1 | dw | dw | | | |
| HEPTANOIC ACID 111-14-8 | 2.08 mg/kg sediment dw | 0.21 mg/kg sediment dw | 1000 mg/L | 0.12 mg/kg soil dw | |
| Neodecanoic acid 26896-20-8 | | | | | 0.0167 g/kg food |
| sodium 4(or 5)-methyl-1H-benzotriazolide 64665-57-2 | 0.0025 mg/kg sediment dw | 0.0025 mg/kg sediment dw | 39.4 mg/L | 0.0024 mg/kg soil dw | |
| PROPAN-1-OL 71-23-8 | 27.5 mg/kg sediment dw | 2.75 mg/kg sediment dw | 96 mg/L | 1.49 mg/kg soil dw | |
| Denatonium Benzoate 3734-33-6 | 25 mg/kg sediment dw | 2.5 mg/kg sediment dw | | 4.95 mg/kg soil dw | |

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid |
| **Colour** | yellow |
| **Odour** | No information available. |
| **Odour threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Melting point / freezing point** | -37 °C | None known |
| **Initial boiling point and boiling range** | No data available | None known |
| **Flammability** | No data available | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Flash point** | No data available | None known |
| **Autoignition temperature** | No data available | None known |

| | | |
|---|---|---|
| **Decomposition temperature** | | None known |
| **pH** | 8.3 | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | No data available | None known |
| **Water solubility** | Miscible in water | None known |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | No data available | None known |
| **Vapour pressure** | No data available | None known |
| **Relative density** | 1.071 @ 20°C | None known |
| **Bulk density** | No data available | |
| **Liquid Density** | No data available | |
| **Relative vapour density** | No data available | None known |
| **Particle characteristics** | | |
| **Particle Size** | No information available | |
| **Particle Size Distribution** | No information available | |
| **Explosive properties** | No information available | |
| **Oxidising properties** | No information available | |

**9.2. Other information**

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

**Reactivity** No information available.

**10.2. Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**
**Sensitivity to mechanical impact** None.
**Sensitivity to static discharge** None.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

**10.5. Incompatible materials**

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

**Symptoms** Redness. May cause redness and tearing of the eyes.

**Acute toxicity** .

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

| | |
|---|---|
| **ATEmix (oral)** | 99,999.00 mg/kg |
| **ATEmix (dermal)** | 6,880.30 mg/kg |
| **ATEmix (inhalation-gas)** | 99,999.00 ppm |
| **ATEmix (inhalation-vapour)** | 99,999.00 mg/l |
| **ATEmix (inhalation-dust/mist)** | 7.54 mg/l |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ethylene glycol | = 4700 mg/kg ( Rat ) | = 10600 mg/kg ( Rat ) | > 2.5 mg/L ( Rat ) 6 h |
| HEPTANOIC ACID | = 7000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 4.6 mg/L ( Rat ) 4 h |
| SODIUM HYDROXIDE | = 325 mg/kg ( Rat ) | = 1350 mg/kg ( Rabbit ) | - |
| PHOSPHORIC ACID ...% | = 1530 mg/kg ( Rat ) | = 2740 mg/kg ( Rabbit ) | > 850 mg/m³ ( Rat ) 1 h |
| PROPAN-1-OL | = 1870 mg/kg ( Rat ) | = 4049 mg/kg ( Rabbit ) | > 33.8 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity**

**Unknown aquatic toxicity** Contains 0.00098 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Ethylene glycol | EC50: 6500 - 13000mg/L (96h, Pseudokirchneriella subcapitata) | LC50: =41000mg/L (96h, Oncorhynchus mykiss)<br>LC50: 14 - 18mL/L (96h, Oncorhynchus mykiss)<br>LC50: =27540mg/L (96h, Lepomis macrochirus)<br>LC50: =40761mg/L (96h, Oncorhynchus mykiss)<br>LC50: 40000 - 60000mg/L (96h, Pimephales promelas)<br>LC50: =16000mg/L (96h, Poecilia reticulata) | - | EC50: =46300mg/L (48h, Daphnia magna) |
| HEPTANOIC ACID | - | LC50: >92mg/L (96h, Pimephales promelas) | - | - |
| SODIUM HYDROXIDE | - | LC50: =45.4mg/L (96h, Oncorhynchus mykiss) | - | - |
| PROPAN-1-OL | - | LC50: =4480mg/L (96h, Pimephales promelas) | - | EC50: =3642mg/L (48h, Daphnia magna)<br>EC50: 3339 - 3977mg/L (48h, Daphnia magna) |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation**

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Ethylene glycol | -1.36 |

| | |
|---|---|
| HEPTANOIC ACID | 2.72 |
| PHOSPHORIC ACID ...% | -0.9 |
| PROPAN-1-OL | 0.2 |

**12.4. Mobility in soil**

**Mobility in soil** No information available.

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

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Ethylene glycol | The substance is not PBT / vPvB |
| HEPTANOIC ACID | The substance is not PBT / vPvB |
| SODIUM HYDROXIDE | The substance is not PBT / vPvB |
| PHOSPHORIC ACID ...% | The substance is not PBT / vPvB |
| PROPAN-1-OL | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## SECTION 14: Transport information

**IATA**

**14.1 UN number or ID number** Not regulated
**14.2 UN proper shipping name** Not regulated
**14.3 Transport hazard class(es)** Not regulated
**14.4 Packing group** Not regulated
**14.5 Environmental hazards** Not applicable
**14.6 Special precautions for user**
**Special Provisions** None

**IMDG**

**14.1 UN number or ID number** Not regulated
**14.2 UN proper shipping name** Not regulated
**14.3 Transport hazard class(es)** Not regulated
**14.4 Packing group** Not regulated
**14.5 Environmental hazards** Not applicable
**14.6 Special precautions for user**
**Special Provisions** None
**14.7 Maritime transport in bulk according to IMO instruments** No information available

**RID**

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

**ADR**

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

## SECTION 15: Regulatory information

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

**National regulations**

**Authorisations and/or restrictions on use:**
This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**
Not applicable

**Export Notification requirements**
Not applicable

**Named dangerous substances per COMAH Regulations 2015 (as amended)**
Not applicable

**The Ozone-Depleting Substances Regulations 2015**
Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

| Chemical name | The Biocidal Products Regulations 2001 (as amended) |
|---|---|
| PROPAN-1-OL - 71-23-8 | Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 1: Human hygiene |

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**
Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

| Chemical name | Poisons and Explosive Precursors |
|---|---|
| SODIUM HYDROXIDE | Poison, Reportable 12 % of total caustic alkalinity |
| PHOSPHORIC ACID ...% | Poison, Reportable |

**International Inventories**

| | |
|---|---|
| **TSCA** | Contact supplier for inventory compliance status |
| **DSL/NDSL** | Contact supplier for inventory compliance status |
| **EINECS/ELINCS** | Contact supplier for inventory compliance status |
| **ENCS** | Contact supplier for inventory compliance status |
| **IECSC** | Contact supplier for inventory compliance status |
| **KECL** | Contact supplier for inventory compliance status |
| **PICCS** | Contact supplier for inventory compliance status |
| **AIIC** | Contact supplier for inventory compliance status |
| **NZIoC** | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AIIC** - Australian Inventory of Industrial Chemicals
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

## SECTION 16: Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**
H225 - Highly flammable liquid and vapour
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness

**Legend**
SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| + | Sensitisers | | |

Classification procedure

| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
|---|---|
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | Calculation method |
| Mutagenicity | Calculation method |

| | |
|---|---|
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

**Key literature references and sources for data used to compile the SDS**
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Revision date** 18/10/2023

**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended) Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**

**UK SDS version information - XGHS**
UL release:
GHS Revision 7
2022 Q1

**United Kingdom** Partial process, including GHS Wizard, NO TW

| | |
|---|---|
| Specific target organ toxicity — repeated exposure | Category 2 |

| | |
|---|---|
| Full text of H-Statements referred to under section 3 | H225 - Highly flammable liquid and vapour H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage H336 - May cause drowsiness or dizziness |

| Chemical name | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) |
|---|---|---|
| Ethylene glycol | Acute Tox. 4 (H302) | |
| HEPTANOIC ACID | Skin Corr. 1B (H314) | |
| SODIUM HYDROXIDE | Skin Corr. 1A (H314) | Eye Irrit. 2 :: 0.5%<=C<2%<br>Skin Corr. 1A :: C>=5%<br>Skin Corr. 1B :: 2%<=C<5%<br>Skin Irrit. 2 :: 0.5%<=C<2% |
| PHOSPHORIC ACID ...% | Skin Corr. 1B (H314) | Eye Irrit. 2 :: 10%<=C<25%<br>Skin Corr. 1B :: C>=25%<br>Skin Irrit. 2 :: 10%<=C<25% |
| PROPAN-1-OL | Flam. Liq. 2 (H225)<br>Eye Dam. 1 (H318)<br>STOT SE 3 (H336) | |