



Prestone



SAFETY DATA SHEET -5°C Screenwash

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

1.1. Product identifier

| | |
|---------------------------------|---|
| Product name | -5°C Screenwash |
| Product number | HSCW1101A, SA5DRTU2A, HSCW1001A, HSCW0801A, HSCW0008A, HSCW0006A, HSCW0005A |
| 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. Glass cleaner. |
|------------------------|---|

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 |
|----------------------------|--|

-5°C Screenwash

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.gcs@aade.gr, environment.gcs@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 (EC 1272/2008)

| | |
|-----------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |

2.2. Label elements

| | |
|--------------------------|---|
| Hazard statements | NC Not Classified |
| Precautionary statements | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of contents/ container in accordance with national regulations. |

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

-5°C Screenwash

| | | | |
|--|----------------------|--|---------------|
| ETHANOL | | | 5-10% |
| CAS number: 64-17-5 | EC number: 200-578-6 | REACH registration number: 01-2119457610-43-XXXX | |
| Classification | | | |
| Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 | | | |
| ETHANEDIOL | | | 1-5% |
| CAS number: 107-21-1 | EC number: 203-473-3 | REACH registration number: 01-2119456816-28-XXXX | |
| Classification | | | |
| Acute Tox. 4 - H302 STOT RE 2 - H373 | | | |
| METHANOL | | | 0.22% |
| CAS number: 67-56-1 | EC number: 200-659-6 | REACH registration number: 01-2119392409-28-XXXX | |
| Classification | | | |
| Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370 | | | |
| SODIUM HYDROXIDE | | | <1% |
| CAS number: 1310-73-2 | EC number: 215-185-5 | REACH registration number: 01-2119457892-27-XXXX | |
| Classification | | | |
| Skin Corr. 1A - H314 Eye Dam. 1 - H318 | | | |

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

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. |
| Ingestion | Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues. |
| 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 10 minutes. |

-5°C Screenwash

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 | This is unlikely to occur but symptoms similar to those of ingestion may develop. |
| Ingestion | May cause discomfort if swallowed. |
| Skin contact | Skin irritation. Prolonged skin contact may cause redness and irritation. |
| Eye contact | Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing. |

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 | The product is non-combustible. Use fire-extinguishing media suitable for the surrounding 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

| | |
|--|---|
| 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 contact with skin and eyes. Do not eat, drink or smoke when using the product. |
|--------------------------|--|

7.2. Conditions for safe storage, including any incompatibilities

-5°C Screenwash

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

Storage class Unspecified 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

ETHANEDIOL

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

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

Sk

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

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

ETHANOL (CAS: 64-17-5)

DNEL

Workers - Inhalation; Long term systemic effects: 950 mg/m³

Workers - Inhalation; Short term local effects: 1900 mg/m³

Workers - Dermal; Long term systemic effects: 343 mg/kg bw/day

General population - Inhalation; Long term systemic effects: 114 mg/m³

General population - Dermal; Long term systemic effects: 206 mg/kg bw/day

General population - Oral; Long term systemic effects: 87 mg/kg bw/day

General population - Inhalation; Short term local effects: 950 mg/m³

PNEC

Fresh water; Long term 0.96 mg/l

marine water; Long term 0.79 mg/l

Intermittent release; Long term 2.75 mg/l

STP; Long term 580 mg/l

Sediment (Freshwater); Long term 3.6 mg/kg sediment dry weight

Sediment (Marinewater); Long term 2.9 mg/kg sediment dry weight

Soil; Long term 0.63 mg/kg soil dry weight

ETHANEDIOL (CAS: 107-21-1)

-5°C Screenwash

| | |
|-------------|--|
| DNEL | Workers - Inhalation; Long term local effects: 35 mg/m ³ Workers - Dermal; Long term systemic effects: 106 mg/kg/day General population - Inhalation; Long term local effects: 7 mg/m ³ 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 |

METHANOL (CAS: 67-56-1)

| | |
|-------------|---|
| DNEL | Workers - Inhalation; Long term systemic effects: 260 mg/m ³ Workers - Inhalation; Short term systemic effects: 260 mg/m ³ Workers - Inhalation; Long term local effects: 260 mg/m ³ Workers - Inhalation; Short term local effects: 260 mg/m ³ Workers - Dermal; Long term systemic effects: 40 mg/kg bw/day General population - Inhalation; Long term systemic effects: 50 mg/m ³ General population - Inhalation; Short term systemic effects: 50 mg/m ³ General population - Inhalation; Long term local effects: 50 mg/m ³ General population - Inhalation; Short term local effects: 50 mg/m ³ General population - Dermal; Long term systemic effects: 8 mg/kg bw/day General population - Dermal; Short term systemic effects: 8 mg/kg bw/day General population - Oral; Long term systemic effects: 8 mg/kg bw/day General population - Oral; Short term systemic effects: 8 mg/kg bw/day |
| 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 |

SODIUM HYDROXIDE (CAS: 1310-73-2)

| | |
|-------------|---|
| DNEL | Workers - Inhalation; Long term local effects: 1 mg/m ³ General population - Dermal; Long term local effects: 1 mg/m ³ |
|-------------|---|

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

Other skin and body protection

Wear suitable coveralls to prevent exposure to the skin.

-5°C Screenwash

| | |
|--|--|
| Hygiene measures | Wash hands after handling. |
| Respiratory protection | Respiratory protection not required. |
| Environmental exposure controls | Avoid release to the environment. Contain spillages. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------|-----------------------------------|
| Appearance | Coloured liquid. |
| Colour | Blue. |
| Odour | Slight alcoholic. |
| pH | pH (concentrated solution): 10.28 |
| Flash point | 61°C Closed cup. |
| Relative density | 0.995 |
| Solubility(ies) | Miscible with water. |

9.2. Other information

| | |
|--------------------------|--------------------|
| Other information | No data available. |
|--------------------------|--------------------|

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. |
|------------------|---|

10.3. Possibility of hazardous reactions

| | |
|---|-------------|
| Possibility of hazardous reactions | None known. |
|---|-------------|

10.4. Conditions to avoid

| | |
|----------------------------|---|
| Conditions to avoid | Avoid heat, flames and other sources of ignition. |
|----------------------------|---|

10.5. Incompatible materials

| | |
|---------------------------|--|
| Materials to avoid | Strong acids. Strong alkalis. Strong oxidising agents. |
|---------------------------|--|

10.6. Hazardous decomposition products

| | |
|---|--|
| Hazardous decomposition products | 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 | Information given is based on data of the components and of similar products. |
|------------------------------|---|

Acute toxicity - oral

| | |
|-------------------------|----------|
| ATE oral (mg/kg) | 24,897.3 |
|-------------------------|----------|

Acute toxicity - dermal

| | |
|---------------------------|------------|
| ATE dermal (mg/kg) | 136,363.64 |
|---------------------------|------------|

-5°C Screenwash**Acute toxicity - inhalation**

ATE inhalation (gases ppm) 318,181.82

ATE inhalation (vapours mg/l) 1,363.64

ATE inhalation (dusts/mists mg/l) 227.27

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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.

Genotoxicity - in vivo 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.

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

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

Inhalation No significant hazard at normal ambient temperatures.

Ingestion May cause discomfort if swallowed.

Skin contact May cause temporary skin or eye irritation.

Toxicological information on ingredients.**ETHANOL****Acute toxicity - oral**Acute toxicity oral (LD₅₀ mg/kg) 10,470.0

Species Rat

Acute toxicity - dermal

-5°C Screenwash

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

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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.

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 Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

ETHANEDIOL**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

-5°C Screenwash

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.

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.

METHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 300.0

-5°C Screenwash

| | |
|---|--|
| 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> | |
| 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 |

-5°C Screenwash

Specific target organ toxicity - repeated exposure

STOT - repeated exposure LOAEL 2340 mg/kg, Oral, Monkey NOAEL 1.06 mg/l, Inhalation, Rat

Target organs Central nervous system Eyes

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Toxic by inhalation. Drowsiness. Dizziness.

Ingestion Toxic if swallowed. Unconsciousness, possibly death.

Skin contact Toxic in contact with skin.

Eye contact May cause temporary eye irritation.

Target organs Kidneys Liver Heart and cardiovascular system

Medical considerations Liver and/or kidney damage.

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity There is no data on the product itself, see ingredient-specific data below.

Ecological information on ingredients.

ETHANOL

Acute aquatic toxicity

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

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 12340 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 48 hours: 12900 mg/l, Selenastrum capricornutum

Acute toxicity - microorganisms EC₅₀, 4 hours: 5800 mg/l, Activated sludge

Chronic aquatic toxicity

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

ETHANEDIOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: > 100 mg/l, Daphnia magna

-5°C Screenwash

| | |
|---|--|
| 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. |
| <u>Chronic aquatic toxicity</u> | |
| 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 |

METHANOL

Acute aquatic toxicity

| | |
|---|---|
| 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, |

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 |

ETHANEDIOL

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

METHANOL

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

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

ETHANOL

-5°C Screenwash

Partition coefficient log Pow: -0.35

ETHANEDIOL

Partition coefficient log Pow: -1.36 QSAR data.

METHANOL

Bioaccumulative potential The product is not bioaccumulating.

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

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

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.**ETHANEDIOL**

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

METHANOL

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

Waste class WGK: 1 (Germany)

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

-5°C Screenwash

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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 | EH40/2005 Workplace exposure limits. |
| EU legislation | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). |
| Authorisations (Annex XIV Regulation 1907/2006) | No specific authorisations are known for this product. |
| Restrictions (Annex XVII Regulation 1907/2006) | 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

| | |
|---|--|
| Classification procedures according to Regulation (EC) 1272/2008 | Not classified for physical hazards.: Calculation method. Not classified for health hazards.: Calculation method. Not classified for environmental hazards.: Calculation method. |
| Training advice | Chemical hazard awareness training, including labelling, Safety Data Sheets, Personal Protective Equipment (PPE) and hygiene as relevant for the target audience. |
| Issued by | Regulatory Specialist |
| Revision date | 07/09/2021 |
| Revision | 3 |

-5°C Screenwash

| | |
|----------------------------------|--|
| Supersedes date | 14/09/2018 |
| SDS number | 21371 |
| Hazard statements in full | H225 Highly 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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if swallowed. H370 Causes damage to organs (Central nervous system, Optic nerve (nervus opticus)) if swallowed or in contact with skin. |

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.