Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SAFETY DATA SHEET

Date of issue/Date of revision

: 9 November 2022



: 1

Version

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

| 1.1 Product identifier | |
|----------------------------------|---|
| Product name | : AMERCOAT 385LH HARDENER |
| Product code | : 00358128 |
| Product description | : |
| Product type | : Liquid. |
| Other means of identification | : Not available. |
| 1.2 Relevant identified uses | of the substance or mixture and uses advised against |
| Product use | : Professional applications, Used by spraying. |
| Use of the substance/ mixture | : Coating. |
| Uses advised against | : Product is not intended, labelled or packaged for consumer use. |

1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435

e-mail address of person :

: Product.Stewardship.EMEA@ppg.com

responsible for this SDS

1.4 Emergency telephone number

<u>Supplier</u>

+31 20 4075210

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to UK CLP/GHS

Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361fd STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



United Kingdom (UK)

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SECTION 2: Hazards identification

| Signal word | 1 | Danger |
|---|----|---|
| Hazard statements | : | Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects. |
| Precautionary statements | | |
| Prevention | : | Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. |
| Response | : | Collect spillage. IF INHALED: Immediately call a POISON CENTER or doctor. |
| Storage | : | Not applicable. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P304 + P310, P501 |
| Supplemental label elements | : | Contains epoxy constituents. May produce an allergic reaction. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : | Not applicable. |
| Special packaging requirem | en | <u>ts</u> |
| Containers to be fitted with child-resistant fastenings | : | Not applicable. |
| Tactile warning of danger | : | Not applicable. |
| 2.3 Other hazards | | |
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | 1 | Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. |

SECTION 3: Composition/information on ingredients

| N | <i>M</i> ixture | | | |
|--|---|--------------|--|---------|
| 3.2 Mixtures : | | | | |
| Product/ingredient name | Identifiers | % | Classification | Туре |
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | REACH #: 01-2119972320-44 EC: 500-191-5 CAS: 68082-29-1 | ≥10 - ≤25 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411 | [1] |
| n-butyl acetate | REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 | ≥10 - ≤25 | Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 | [1] [2] |
| propan-2-ol | REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0 | ≥5.0 - ≤10 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | [1] [2] |
| English (GB) | United k | (ingdom (UK) | | 2/1 |

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|---|---|---------------------|--|---------|
| SECTION 3: Compositi | on/information on i | ngredients | | |
| 4-nonylphenol, branched | REACH #: 01-2119510715-45 EC: 284-325-5 CAS: 84852-15-3 Index: 601-053-00-8 | ≥5.0 - ≤10 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) | [1] [3] |
| butan-1-ol | REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6 | ≥5.0 - ≤10 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | [1] [2] |
| bis-[4-(2,3-epoxipropoxi)phenyl] propane | REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2 | <1.0 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 | [1] |
| Nonylphenols | EC: 294-048-1 CAS: 91672-41-2 | <1.0 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) EUH071 | [1] |
| 3,6-diazaoctanethylenediamin | EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5 | <1.0 | Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 | [1] |
| | | | See Section 16 for the full text of the H statements declared | |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

above.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

| 4.1 Description of firs | t aid measures |
|-------------------------|--|
| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. |

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|--|---|
| SECTION 4: First aid | measures |
| Ingestion | : If swallowed, seek medical advice immediately and show the container or label. Kee person warm and at rest. Do NOT induce vomiting. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |
| 4.2 Most important symptom | s and effects, both acute and delayed |
| Potential acute health effects | |
| Eye contact | : Causes serious eye damage. |
| Inhalation | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |
| Skin contact | : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. |
| Over-exposure signs/sympt | oms |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Inhalation | : Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations |
| Ingestion | : Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations |

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.

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| SECTION 5: Firefigh | ng measures |
| 5.1 Extinguishing media | |
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet. |
| 5.2 Special hazards arising | om the substance or mixture |
| Hazards from the substance or mixture | : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous combustion products | : Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides |
| 5.3 Advice for firefighters | |
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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|--------------------------------|----|---|
| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders | : | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 6.2 Environmental precautions | : | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. |
| 6.3 Methods and material for | со | ntainment and cleaning up |
| Small spill | : | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent |

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| | | | |

SECTION 6: Accidental release measures

material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

| 6.4 Reference to other | : See Section 1 for emergency contact information. |
|------------------------|---|
| sections | See Section 8 for information on appropriate personal protective equipment. |
| | See Section 13 for additional waste treatment information. |

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|--|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Occupational exposure limits

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SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Exposure limit values |
|--|--|
| n-butyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020). |
| - | STEL: 966 mg/m ³ 15 minutes. |
| | STEL: 200 ppm 15 minutes. |
| | TWA: 724 mg/m ³ 8 hours. |
| | TWA: 150 ppm 8 hours. |
| propan-2-ol | EH40/2005 WELs (United Kingdom (UK), 1/2020). |
| | STEL: 1250 mg/m ³ 15 minutes. |
| | STEL: 500 ppm 15 minutes. |
| | TWA: 999 mg/m ³ 8 hours. |
| | TWA: 400 ppm 8 hours. |
| butan-1-ol | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed |
| | through skin. |
| | STEL: 154 mg/m ³ 15 minutes. |
| | STEL: 50 ppm 15 minutes. |
| Recommended monitoring : If this produ | ict contains ingredients with exposure limits, personal, workplace |

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procedures
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If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|--------------------------------|------|-----------------------|------------------------|--------------------|----------|
| Fatty acids, C18-unsatd., | DNEL | Long term Oral | 0.56 mg/kg bw/day | General population | Systemic |
| dimers, oligomeric reaction | | - | | | |
| products with tall-oil fatty | | | | | |
| acids and triethylenetetramine | | | | | |
| | DNEL | Long term Dermal | 0.56 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.97 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 1.1 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 3.9 mg/m³ | Workers | Systemic |
| n-butyl acetate | DNEL | Long term Inhalation | 300 mg/m³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 300 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 11 mg/m³ | Workers | Systemic |
| | DNEL | Short term Oral | 2 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Oral | 2 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 6 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 35.7 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 300 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 300 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 300 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Systemic |
| oropan-2-ol | DNEL | Long term Oral | 26 mg/kg bw/day | General population | |
| | DNEL | Long term Inhalation | 89 mg/m ³ | General population | |
| | DNEL | Long term Dermal | 319 mg/kg bw/day | General population | |
| | DNEL | Long term Inhalation | 500 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 888 mg/kg bw/day | Workers | Systemic |
| 4-nonylphenol, branched | DNEL | Long term Oral | 0.08 mg/kg bw/day | General population | |
| 31 <i>i</i> | DNEL | Short term Oral | 0.4 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.4 mg/m ³ | General population | |
| | DNEL | Long term Inhalation | 0.5 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 0.8 mg/m ³ | General population | |
| | DNEL | Short term Inhalation | 1 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 3.8 mg/kg bw/day | General population | |
| | DNEL | Long term Dermal | 7.5 mg/kg bw/day | Workers | Systemic |

English (GB)

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SECTION 8: Exposure controls/personal protection

| | | • | | | |
|---|------|-----------------------|--------------------------|--------------------|----------|
| | DNEL | Short term Dermal | 7.6 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 15 mg/kg bw/day | Workers | Systemic |
| butan-1-ol | DNEL | Long term Inhalation | 55 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 310 mg/m³ | Workers | Local |
| | DNEL | Long term Oral | 1.5625 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 3.125 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 55.357 mg/m ³ | General population | Systemic |
| bis-[4-(2,3-epoxipropoxi) phenyl]propane | DNEL | Long term Inhalation | 12.25 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 12.25 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 8.33 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 8.33 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 3.571 mg/kg bw/day | General | Systemic |
| | | | | population | |
| | | | | [Consumers] | |
| | DNEL | Short term Dermal | 3.571 mg/kg bw/day | General | Systemic |
| | | | | population | |
| | | | | [Consumers] | |
| | DNEL | Long term Oral | 0.75 mg/kg bw/day | General | Systemic |
| | | | | population | |
| | | | // | [Consumers] | |
| | DNEL | Short term Oral | 0.75 mg/kg bw/day | General | Systemic |
| | | | | population | |
| | | | | [Consumers] | . |
| | DNEL | Long term Dermal | 89.3 µg/kg bw/day | General population | |
| | DNEL | Long term Oral | 0.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.75 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.87 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 4.93 mg/m³ | Workers | Systemic |

PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|---|------------------------|------------------|--------------------------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | Fresh water | 0.043 mg/l | Assessment Factors |
| , | Marine water | 0 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 3.84 mg/l | Assessment Factors |
| | Fresh water sediment | 434.02 mg/kg dwt | Equilibrium Partitioning |
| | Marine water sediment | 43.4 mg/kg dwt | Equilibrium Partitioning |
| | Soil | 86.78 mg/kg dwt | Equilibrium Partitioning |
| n-butyl acetate | Fresh water | 0.18 mg/l | - |
| | Marine water | 0.018 mg/l | - |
| | Fresh water sediment | 0.981 mg/kg | - |
| | Marine water sediment | 0.0981 mg/kg | - |
| | Sewage Treatment Plant | 35.6 mg/l | - |
| | Soil | 0.0903 mg/kg | - |
| propan-2-ol | Fresh water | 140.9 mg/l | Assessment Factors |
| | Marine water | 140.9 mg/l | Assessment Factors |
| | Secondary Poisoning | 160 mg/kg | - |
| | Fresh water sediment | 552 mg/kg dwt | - |
| | Marine water sediment | 552 mg/kg dwt | - |
| | | 2251 mg/l | Assessment Factors |
| | Soil | 28 mg/kg dwt | - |
| outan-1-ol | Fresh water | 0.082 mg/l | - |
| | Marine water | 0.0082 mg/l | - |
| | Fresh water sediment | 0.178 mg/kg | - |
| | Marine water sediment | 0.0178 mg/kg | - |
| | Soil | 0.015 mg/kg | - |
| | 0 | 2476 mg/l | - |
| bis-[4-(2,3-epoxipropoxi)phenyl]propane | Fresh water | 0.006 mg/l | Assessment Factors |
| | Marine water | 0.001 mg/l | Assessment Factors |
| | Fresh water sediment | 0.996 mg/kg dwt | Equilibrium Partitioning |
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SECTION 8: Exposure controls/personal protection

| Soil | 0.196 mg/kg dwt | Equilibrium Partitioning Equilibrium Partitioning |
|---|-----------------|--|
| Sewage Treatment Plant Secondary Poisoning | • | Assessment Factors Assessment Factors |

| 8.2 Exposure controls | |
|---|--|
| Appropriate engineering controls | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. |
| Individual protection measu | <u>ires</u> |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection <u>Skin protection</u> | : Chemical splash goggles and face shield. |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. butyl rubber |
| Body protection | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| Other skin protection | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3 |
| Environmental exposure controls | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

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SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

| <u>Appearance</u> | | | | | | |
|---|----------|---|-------------------|------------------------------|--|--|
| Physical state | : Liquid | | | | | |
| Colour | : White | White to yellowish. | | | | |
| Odour | : Chara | cteristic. | | | | |
| Odour threshold | : Not av | Not available. | | | | |
| Melting point/freezing point | data f | May start to solidify at the following temperature: <-7°C (<19.4°F) This is based on data for the following ingredient: 4-nonylphenol, branched. Weighted average: -75.1°C (-103.2°F) | | | | |
| Initial boiling point and boiling range | : >37.7 | 8°C (>100°F) | | | | |
| Flammability (solid, gas) | : liquid | | | | | |
| Upper/lower flammability or explosive limits | : Great | est known rai | nge: Lower: 2% Up | per: 12% (Isopropyl alcohol) | | |
| Flash point | : Close | d cup: 32.78° | C (91°F) | | | |
| Auto-ignition temperature | : | | | | | |
| Ingredient name | | °C | °F | Method | | |
| butan-1-ol | | 355 | 671 | EU A.15 | | |

| Decomposition temperature | : |
|---------------------------|--|
| рН | : Not applicable. |
| | Not applicable. insoluble in water. |
| Viscosity | : Kinematic (40°C): >21 mm ² /s |
| Solubility(ies) | |

2

| Solubility(les) | A second sec second second sec | Method |
|---------------------|---|--------|
| Media | Result | |
| cold water | Not soluble | |
| Miscible with water | : No. | |

| Partition coefficient: n-octanol/ | : | Not applicable. |
|-----------------------------------|---|-----------------|
| water | | |

Vapour pressure

| | Va | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | |
|--|-----------|-------------------------|---|-----------------|-----------------------------------|--|
| Ingredient name | mm Hg kPa | | Method | mm Hg | kPa | |
| propan-2-ol | 33 | 4.4 | | | | |
| Relative density | : 1.34 | 1 | | | | |
| /apour density | | hest knowr Air = 1) | n value: 7.59 (Air = | = 1) (4-nonylph | enol, branched). Weighted aver | |
| Explosive properties | | | self is not explosive with air is possible | | ation of an explosible mixture of | |
| Dxidising properties Particle characteristics | : Pro | duct does r | not present an oxid | dizing hazard. | | |
| | | | | | | |

| | 00358128 5LH HARDENER | Date of issue/Date of revision | : 9 November 2022 |
|-----------|---------------------------|--------------------------------|-------------------|
| SECTION 1 | 0: Stability and reactivi | tv | |

| SECTION TO: Stabilit | y and roughly |
|--|--|
| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : The product is stable. |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition produce Refer to protective measures listed in sections 7 and 8. |
| 10.5 Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| 10.6 Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|------------------------------|------------------------|---------|-------------------------|----------|
| Fatty acids, C18-unsatd., | LD50 Dermal | Rat | >2000 mg/kg | - |
| dimers, oligomeric reaction | | | | |
| products with tall-oil fatty | | | | |
| acids and | | | | |
| triethylenetetramine | | | | |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| n-butyl acetate | LC50 Inhalation Vapour | Rat | >21.1 mg/l | 4 hours |
| | LC50 Inhalation Vapour | Rat | 2000 ppm | 4 hours |
| | LD50 Dermal | Rabbit | >17600 mg/kg | - |
| | LD50 Oral | Rat | 10.768 g/kg | - |
| propan-2-ol | LC50 Inhalation Vapour | Rat | 72600 mg/m ³ | 4 hours |
| | LD50 Dermal | Rabbit | 12800 mg/kg | - |
| | LD50 Oral | Rat | 5045 mg/kg | - |
| 4-nonylphenol, branched | LD50 Dermal | Rabbit | 2.14 g/kg | - |
| | LD50 Oral | Rat | 1300 mg/kg | - |
| butan-1-ol | LC50 Inhalation Vapour | Rat | 24000 mg/m ³ | 4 hours |
| | LD50 Dermal | Rabbit | 3400 mg/kg | - |
| | LD50 Oral | Rat | 790 mg/kg | - |
| bis-[4-(2,3-epoxipropoxi) | LD50 Dermal | Rabbit | 23000 mg/kg | - |
| phenyl]propane | | | | |
| | LD50 Oral | Rat | 15000 mg/kg | - |
| 3,6-diazaoctanethylenediamin | LD50 Dermal | Rabbit | 1465 mg/kg | - |
| | LD50 Oral | Rat | 1716 mg/kg | - |

Conclusion/Summary : There are no data available on the mixture itself.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|------------------|-------------------|--------------------------------|-----------------------------------|--|
| AMERCOAT 385LH HARDENER | 8298.1 | N/A | N/A | N/A | N/A |
| n-butyl acetate | 10768 | N/A | N/A | N/A | N/A |
| propan-2-ol | 5045 | 12800 | N/A | 72.6 | N/A |
| 4-nonylphenol, branched | 1300 | 2140 | N/A | N/A | N/A |
| butan-1-ol | 790 | 3400 | N/A | 24 | N/A |
| bis-[4-(2,3-epoxipropoxi)phenyl]propane | 15000 | 23000 | N/A | N/A | N/A |
| Nonylphenols | 500 | N/A | N/A | N/A | N/A |
| English (GB) | United Kingd | om (UK) | | | 11/18 |

| Conforms to Regulation (I | EC) No. | 1907/2006 (| (REACH) | Annex II, | as amended by | y UK REACH Re | egulation S | I 2019/758 |
|---------------------------|---------|-------------|---------|-----------|---------------|---------------|-------------|------------|
| | | | | | | | | |

| SECTION 11: Toxicological information | | | | | | | |
|---------------------------------------|----------------|--------------------------------|-------------------|--|--|--|--|
| AMERCOAT | 385LH HARDENER | | | | | | |
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al information

| 3,6-diazaoctanethylenediamin | 1716 | 1465 | N/A | N/A |
|------------------------------|------|------|-----|-----|
|------------------------------|------|------|-----|-----|

| | | _ | _ | |
|---------|-------|------|------|---|
| Irritat | ion/(| Corr | nein | n |
| ππαι | | 5011 | 0310 | |

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|--|-------------------|-------|----------|-------------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | Eyes - Severe irritant | Rabbit | - | - | - |
| | Skin - Irritant | Human | - | - | - |
| 4-nonylphenol, branched | Skin - Erythema/Eschar | Rabbit | 4 | - | - |
| bis-[4-(2,3-epoxipropoxi) phenyl]propane | Eyes - Mild irritant | Rabbit | - | 24 hours | - |
| | Eyes - Redness of the conjunctivae | Rabbit | 0.4 | 24 hours | - |
| | Skin - Oedema | Rabbit | 0.5 | 4 hours | - |
| | Skin - Erythema/Eschar | Rabbit | 0.8 | 4 hours | - |
| | Skin - Mild irritant | Rabbit | - | 4 hours | - |
| Conclusion/Summary | Not available. | • | | | • |
| Skin | There are no data available o | on the mixture it | self. | | |
| Eyes | : There are no data available on the mixture itself. | | | | |

Respiratory

| : There are no data available on the mixture itself. |
|--|
| : There are no data available on the mixture itself. |

Sensitisation

| Product/ingredient name | Route of exposure | Species | Result |
|--|-------------------|------------|-------------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | skin | Mouse | Sensitising |
| bis-[4-(2,3-epoxipropoxi) phenyl]propane | skin | Mouse | Sensitising |
| 3,6-diazaoctanethylenediamin | skin | Guinea pig | Sensitising |

| Skin | : There are no data available on the mixture itself. |
|---------------------------|--|
| Respiratory | : There are no data available on the mixture itself. |
| Mutagenicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Carcinogenicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Reproductive toxicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Teratogenicity | |
| Conclusion/Summary | : |

There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|--|--|-------------------|---|
| n-butyl acetate propan-2-ol butan-1-ol | Category 3 Category 3 Category 3 | - | Narcotic effects Narcotic effects Respiratory tract irritation |
| | Category 3 | | Narcotic effects |

Specific target organ toxicity (repeated exposure)

Not available.

N/A

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|---|---|
| SECTION 11: Toxico | logical information |
| Aspiration hazard Not available. | |
| Information on likely routes of exposure | : Not available. |
| Potential acute health effects | <u>}</u> |
| Eye contact | : Causes serious eye damage. |
| Inhalation | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |
| Skin contact | : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. |
| Symptoms related to the phy | sical, chemical and toxicological characteristics |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Inhalation | : Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations |
| | |

Ingestion : Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

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

| <u>Short term exposure</u> | |
|--------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health eff | ects |
| Not available. | |
| Conclusion/Summary | : Not available. |

English (GB)

United Kingdom (UK)

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| | | 4 | |

SECTION 11: Toxicological information

| General | : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
|-----------------------|---|
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : Suspected of damaging fertility. Suspected of damaging the unborn child. |

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|-----------------------------------|---|----------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | EC10 1.78 mg/l | Algae | 72 hours |
| n-butyl acetate | Acute LC50 18 mg/l | Fish | 96 hours |
| propan-2-ol | Acute EC50 10100 mg/l Fresh water | Daphnia - Water flea - Daphnia | 48 hours |
| | _ | magna | |
| 4-nonylphenol, branched | Acute EC50 0.044 mg/l | Crustaceans - Water flea - Moina macrocopa | 48 hours |
| | Acute LC50 0.221 mg/l | Fish | 96 hours |
| butan-1-ol | Acute LC50 1376 mg/l | Fish | 96 hours |
| bis-[4-(2,3-epoxipropoxi) phenyl]propane | Acute LC50 1.8 mg/l Fresh water | Daphnia - daphnia magna | 48 hours |
| | Chronic NOEC 0.3 mg/l | Daphnia | 21 days |
| Nonylphenols | Acute LC50 0.017 mg/l | Fish - Pleuronectes americanus | 96 hours |
| Conclusion/Summary | : Not available. | | · |

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | Inoculum |
|---|-----------------------|---------------------|---------|------|---------------------------------------|
| n-butyl acetate | TEPA and OECD 301D | 83 % - Readily - 28 | days | - | - |
| Conclusion/Summary | : Not available. | | | | |
| Product/ingredient name | Aquatic half-life | | Photoly | /sis | Biodegradability |
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine n-butyl acetate bis-[4-(2,3-epoxipropoxi) phenyl]propane | - | | - | | Not readily Readily Not readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|------------------------------|---------------|--------|-----------|
| n-butyl acetate | 2.3 | - | low |
| propan-2-ol | 0.05 | - | low |
| 4-nonylphenol, branched | 5.4 | 251.19 | low |
| butan-1-ol | 1 | - | low |
| 3,6-diazaoctanethylenediamin | -1.66 to -1.4 | - | low |

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|----------|----------------|--------------------------------|-------------------|
| AMERCOAT | 385LH HARDENER | | |
| | | | |

SECTION 12: Ecological information

| 12.4 Mobility in soil | |
|--|------------------|
| Soil/water partition coefficient (Koc) | : Not available. |
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

| <u>Product</u> | |
|---------------------|--|
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| Hazardous waste | : Yes. |

Waste catalogue

| Waste code | Waste designation |
|------------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

| Type of packaging | Waste catalogue | |
|---|-----------------|---|
| Container | 15 01 06 | mixed packaging |
| Special precautions: This material and its taken when handling Empty containers or residues may create container. Do not cu | | and its container must be disposed of in a safe way. Care should be andling emptied containers that have not been cleaned or rinsed out. hers or liners may retain some product residues. Vapour from product create a highly flammable or explosive atmosphere inside the not cut, weld or grind used containers unless they have been cleaned ernally. Avoid dispersal of spilt material and runoff and contact with rs, drains and sewers. |

SECTION 14: Transport information

| ADR/RID | ADN | IMDG | IATA |
|--------------------------------|---|--|---|
| UN3470 | UN3470 | UN3470 | UN3470 |
| PAINT, CORROSIVE, FLAMMABLE | PAINT, CORROSIVE, FLAMMABLE | PAINT, CORROSIVE, FLAMMABLE | PAINT, CORROSIVE, FLAMMABLE |
| 8 (3) | 8 (3) | 8 (3) | 8 (3) |
| 11 | 11 | II | II |
| | | | 15/18 |
| - | UN3470 PAINT, CORROSIVE, FLAMMABLE 8 (3) | UN3470UN3470PAINT, CORROSIVE, FLAMMABLEPAINT, CORROSIVE, FLAMMABLE8 (3)8 (3)IIII | UN3470UN3470UN3470PAINT, CORROSIVE, FLAMMABLEPAINT, CORROSIVE, FLAMMABLEPAINT, CORROSIVE, FLAMMABLE8 (3)8 (3)8 (3)IIIIII |

| Code : 00358128 AMERCOAT 385LH HARDENER | | Date of issue/Date of revision : 9 November 2022 | | |
|--|--|---|---|--|
| SECTION 14: | Transport inform | ation | | |
| 14.5 Environmental hazards Marine pollutant substances | Yes. Not applicable. | Yes. Not applicable. | Yes. (Polyamide, 4-nonylphenol, branched) | Yes. The environmentally hazardous substance mark is not required. Not applicable. |
| Tunnel code ADN IMDG | ation The environmentally haze ≤5 kg. (D/E) The environmentally haze ≤5 kg. The marine pollutant mar The environmentally haze regulations. | ardous substance mark is k is not required when tra | s not required when trans ansported in sizes of ≤5 L | ported in sizes of ≤5 L or . or ≤5 kg. |
| 14.6 Special preca user | upright and | within user's premises: secure. Ensure that pers f an accident or spillage. | | |
| 14.7 Transport in according to IMO instruments | bulk : Not availab | le. | | |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>UK (GB) /REACH</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

| Intrinsic property | Ingredient name | Status | Reference number | Date of revision |
|---|--|-----------|---------------------|------------------|
| Substance of equivalent concern for environment | 4-nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof | Candidate | - | 12/19/2012 |

Ozone depleting substances

Not listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Code : 00358128 AMERCOAT 385LH HARDENER Date of issue/Date of revision

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SECTION 15: Regulatory information

Category

P5c E1

SECTION 16: Other information

Indicates information that has changed from previously issued version.

| Abbreviations and acronyms | ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative |
|-------------------------------|--|
|-------------------------------|--|

Procedure used to derive the classification

| Classification | Justification |
|-------------------------|-----------------------|
| Flam. Liq. 3, H226 | On basis of test data |
| Skin Corr. 1B, H314 | Calculation method |
| Eye Dam. 1, H318 | Calculation method |
| Skin Sens. 1, H317 | Calculation method |
| Repr. 2, H361fd | Calculation method |
| STOT SE 3, H336 | Calculation method |
| Aquatic Acute 1, H400 | Calculation method |
| Aquatic Chronic 1, H410 | Calculation method |

Full text of abbreviated H statements

| H225 | Highly flammable liquid and vapour. |
|--------|--|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH071 | Corrosive to the respiratory tract. |

Full text of classifications

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|---|---|---|-------------------|
| SECTION 16: 0 | Other information | | |
| Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 2 Skin Corr. 1B Skin Irrit. 2 | ACUTE TOXICITY - Category SHORT-TERM (ACUTE) AQU LONG-TERM (CHRONIC) AQU LONG-TERM (CHRONIC) AQU LONG-TERM (CHRONIC) AQU SERIOUS EYE DAMAGE/EYE SERIOUS EYE DAMAGE/EYE FLAMMABLE LIQUIDS - Categ FLAMMABLE LIQUIDS - Categ REPRODUCTIVE TOXICITY - SKIN CORROSION/IRRITATIO SKIN CORROSION/IRRITATIO | ATIC HAZARD - Category 1 UATIC HAZARD - Category 1 UATIC HAZARD - Category 2 UATIC HAZARD - Category 3 IRRITATION - Category 1 IRRITATION - Category 2 gory 2 gory 3 Category 2 ON - Category 1B | |

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

<u>History</u>

Skin Sens. 1

STOT SE 3

Skin Sens. 1A

| Date of issue/ Date of revision | : 11/9/2022 |
|---------------------------------|--------------------------|
| Date of previous issue | : No previous validation |
| Prepared by | : EHS |
| Version | : 1 |

SKIN SENSITISATION - Category 1

SKIN SENSITISATION - Category 1A

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.