SAFETY DATA SHEET

Date of issue/Date of revision

: 19 January 2024

Version : 25.02

5.02 **PP**

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

| undertaking | |
|----------------------------------|---|
| 1.1 Product identifier | |
| Product name | : SIGMACOVER 380 HARDENER |
| Product code | : 00250044 |
| Other means of identificat | ion |
| 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 o | f the safety data sheet |
| PPG Coatings Belgium BV/S | |
| 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

National advisory body/Poison Centre

 Telephone number
 : Nødtelefon: Giftinformasjonen: 22 59 13 00

Supplier

+31 20 4075210

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361fd STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

English (GB)

SECTION 2: Hazards identification

The product is classified as hazardous according to Regulation (EC) 1272/2008 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 | |
|---|--|
| Signal word | : Danger |
| Hazard statements | Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. 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. |
| Storage | : Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P403 + P233, P501 |
| Hazardous ingredients | Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine nonylphenol ethylbenzene 2-methylpropan-1-ol xylene 3,6-diazaoctanethylenediamin |
| Supplemental label elements | : Not applicable. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. |
| Special packaging requirem | ients |
| 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 | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |

Date of issue/Date of revision

SECTION 2: Hazards identification

Other hazards which do
not result in classification: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause
irritation.

May cause endocrine disruption.

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures | : Mixture | Γ | Γ | 1 | 1 |
|---|---|----------------|--|---|---------|
| Product/ingredient name | Identifiers | % by weight | Classification | Specific Conc. Limits, M-factors and ATEs | 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 | ≥25 - ≤50 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411 | - | [1] |
| nonylphenol | EC: 246-672-0 CAS: 25154-52-3 Index: 601-053-00-8 | ≥10 - ≤24 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ATE [Oral] = 580 mg/ kg M [Acute] = 10 M [Chronic] = 10 | [1] [3] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≥10 - ≤25 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Inhalation (vapours)] = 17.8 mg/l | [1] [2] |
| 2-methylpropan-1-ol | REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 | ≥10 - <20 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | - | [1] [2] |
| xylene | EC: 215-535-7 CAS: 1330-20-7 | ≥10 - ≤25 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l | [1] [2] |
| 2,4,6-tris (dimethylaminomethyl) phenol | REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 Index: 603-069-00-0 | ≥1.0 - ≤6.8 | Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 | ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg | [1] |
| 3,6-diazaoctanethylenediamin | EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5 | ≥1.0 - ≤4.0 | Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 | ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg | [1] [2] |
| English (GB) | <u>.</u> | ı | Norway | | 3/19 |

SECTION 3: Composition/information on ingredients

| • | | | U | | |
|---------------|--------------------------------|-------|---|---|---------|
| p-nonylphenol | EC: 203-199-4 CAS: 104-40-5 | ≤0.30 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 See Section 16 for the full text of the H statements declared above. | ATE [Oral] = 1620 mg/ kg M [Acute] = 10 M [Chronic] = 10 | [1] [3] |

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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <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 first 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. |
| Ingestion | If swallowed, seek medical advice immediately and show the container or label. Keep 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 symptor | ns and effects, both acute and delayed |

Potential acute health effects Eye contact : Causes serious eye damage. Inhalation : May cause respiratory irritation. Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Ingestion : Corrosive to the digestive tract. Causes burns. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering

| pain |
|----------|
| watering |
| redness |
| |

| SECTION 4: First aid | l measures |
|--------------------------------|---|
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing 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 |
| 4.3 Indication of any immedi | iate medical attention and special treatment needed |
| 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. |
| SECTION 5: Firefigh | ting 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. |

| | - | |
|--|---|---|
| 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 |
| 5.3 Advice for firefighters | | |
| Special precautions 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

| English (GB) | Norway | 5/19 |
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SECTION 6: Accidental release measures

| 6.1 Personal precautions, pro | tective equipment and emergency procedures |
|---------------------------------|--|
| 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 | containment 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. |
| 6.4 Reference to other sections | See Section 1 for emergency contact information. 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. |
|---------------------|--|
|---------------------|--|

SECTION 7: Handling and storage Advice on general 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, occupational hygiene 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 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 storage, including any container protected from direct sunlight in a dry, cool and well-ventilated area, away incompatibilities 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

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).

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|------------------------------|---|
| ethylbenzene | FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through skin. |
| | Carcinogen. |
| | TWA: 20 mg/m ³ 8 hours. |
| | TWA: 5 ppm 8 hours. |
| 2-methylpropan-1-ol | FOR-2011-12-06-1358 (Norway, 12/2022). Absorbed through skin. |
| | CEIL: 75 mg/m ³ |
| | CEIL: 25 ppm |
| xylene | FOR-2011-12-06-1358 (Norway, 12/2022). [Xylene, all isomers] |
| | Absorbed through skin. |
| | TWA: 108 mg/m³ 8 hours. |
| | TWA: 25 ppm 8 hours. |
| 3,6-diazaoctanethylenediamin | FOR-2011-12-06-1358 (Norway, 12/2022). Skin sensitiser. |
| | TWA: 6 mg/m ³ 8 hours. |
| | TWA: 1 ppm 8 hours. |
| | should be made to monitoring standards, such as the following: European N 689 (Workplace atmospheres - Guidance for the assessment of exposure |

Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs

| English (GB) | Norway | 7/19 |
|--------------|--------|------|
|--------------|--------|------|

SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|--|------|-----------------------|-------------------------|--------------------|----------|
| Tatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | DNEL | Long term Oral | 97.2 µg/kg bw/day | General population | Systemic |
| , | DNEL | Long term Dermal | 97.2 µg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.169 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 0.272 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.952 mg/m ³ | Workers | Systemic |
| ethylbenzene | DMEL | Long term Inhalation | 442 mg/m ³ | Workers | Local |
| | DMEL | Short term Inhalation | 884 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Oral | 1.6 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 15 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 77 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 180 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Inhalation | 293 mg/m ³ | Workers | Local |
| 2-methylpropan-1-ol | DNEL | Long term Inhalation | 55 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 310 mg/m³ | Workers | Local |
| xylene | DNEL | Long term Oral | 12.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 65.3 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 65.3 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 125 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 212 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 221 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 221 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 260 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 260 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 442 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 442 mg/m ³ | Workers | Systemic |
| 2,4,6-tris | DNEL | Long term Oral | 0.075 mg/kg bw/day | General population | Systemic |
| (dimethylaminomethyl)phenol | | | | a | |
| | DNEL | Short term Dermal | 0.075 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 0.075 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 0.13 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 0.13 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 0.15 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.53 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Dermal | 0.6 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Inhalation | 2.1 mg/m ³ | Workers | Systemic |

PNECs

| Product/ingredient name | Туре | 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 |
| 5 | - | Marine water | 0 mg/l | Assessment Factors |
| | - | Sewage Treatment Plant | | 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 |
| ethylbenzene | - | Fresh water | 0.1 mg/l | Assessment Factors |
| - | - | Marine water | 0.01 mg/l | Assessment Factors |
| | - | Sewage Treatment Plant | 9.6 mg/l | Assessment Factors |
| | - | Fresh water sediment | 13.7 mg/kg dwt | Equilibrium Partitioning |
| | - | Marine water sediment | 1.37 mg/kg dwt | Equilibrium Partitioning |
| | - | Soil | 2.68 mg/kg dwt | Equilibrium Partitioning |
| | - | Secondary Poisoning | 20 mg/kg | - |
| 2-methylpropan-1-ol | - | Fresh water | 0.4 mg/l | Assessment Factors |
| | - | Marine water | 0.04 mg/l | Assessment Factors |
| English (GB) | | Norway | · | 8/19 |

SECTION 8: Exposure controls/personal protection Sewage Treatment Plant 10 mg/l Assessment Factors Fresh water sediment Equilibrium Partitioning 1.56 mg/kg dwt Marine water sediment 0.156 mg/kg dwt . Equilibrium Partitioning Soil 0.076 mg/kg dwt -Fresh water 0.327 mg/l xylene -0.327 mg/l Marine water -Sewage Treatment Plant 6.58 mg/l -_ 12.46 mg/kg dwt -Fresh water sediment -Marine water sediment _ 12.46 mg/kg dwt _ Soil 2.31 mg/kg 8.2 Exposure controls Appropriate engineering : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below controls 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 measures **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 evewash stations and safety showers are close to the workstation location. **Eye/face protection** : Chemical splash goggles and face shield. Use eye protection according to EN 166. Skin protection Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be 5 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. Gloves butyl rubber **Body protection** Personal protective equipment for the body should be selected based on the task 5 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 antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. 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.

SECTION 8: Exposure controls/personal protection

| Respiratory protection | 1 | 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. |

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 **Appearance Physical state** : Liquid. Colour Various **Odour** : Amine-like. **Odour threshold** : Not available. Melting point/freezing point : May start to solidify at the following temperature: 12°C (53.6°F) This is based on data for the following ingredient: 3,6-diazaoctanethylenediamin. Weighted average: -60.98°C (-77.8°F) Initial boiling point and : >37.78°C boiling range **Flammability** : Not available. Upper/lower flammability or Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol) 20 explosive limits Closed cup: 24°C **Flash point** 2 Auto-ignition temperature °C °F **Ingredient name Method** 3,6-diazaoctanethylenediamin 337.78 640

| Solubility(ies) | 1 | |
|---------------------------|---|---|
| Viscosity | : | < 30 s (ISO 6mm) |
| Viscosity | 1 | Kinematic (40°C): >21 mm²/s |
| рН | 1 | Not applicable. insoluble in water. |
| Decomposition temperature | : | Stable under recommended storage and handling conditions (see Section 7). |
| | | |

| | Media | Result | | | |
|---|---|-------------|--|--|--|
| | cold water | Not soluble | | | |
| _ | Partition of Colored and the Network of the | | | | |

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

ŝ

Vapour pressure

| | Vapoι | ur Press | ure at 20°C | Vapo | u <mark>r press</mark> | ure at 50°C |
|---------------------|-----------|----------|-------------------|----------|------------------------|-------------|
| Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| 2-methylpropan-1-ol | <12.00102 | <1.6 | DIN EN 13016-2 | | | |

Evaporation rate

| English (GB) | Norway | 10/19 |
|--------------|--------|-------|
| | | |

| SECTION 9: Physical | and chemical properties |
|----------------------------|---|
| | Highest known value: 0.84 (ethylbenzene) Weighted average: 0.51compared with butyl acetate |
| Relative density | : 0.91 |
| Vapour density | : Highest known value: 7.59 (Air = 1) (nonylphenol). Weighted average: 4.81 (Air = 1) |
| Explosive properties | The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |
| Oxidising properties | : Product does not present an oxidizing hazard. |
| Particle characteristics | |
| Median particle size | : Not applicable. |
| 9.2 Other information | |
| No additional information. | |

SECTION 10: Stability and reactivity

| 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 products. 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 |

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|------------------------|---------|-------------|----------|
| F atty acids, C18-unsatd., dimers, | LD50 Dermal | Rat | >2000 mg/kg | - |
| oligomeric reaction products with tall-oil | | | | |
| fatty acids and triethylenetetramine | | | | |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| nonylphenol | LD50 Dermal | Rabbit | 2.14 g/kg | - |
| | LD50 Oral | Rat | 580 mg/kg | - |
| ethylbenzene | LC50 Inhalation Vapour | Rat | 17.8 mg/l | 4 hours |
| • | LD50 Dermal | Rabbit | 17.8 g/kg | - |
| | LD50 Oral | Rat | 3.5 g/kg | - |
| 2-methylpropan-1-ol | LC50 Inhalation Vapour | Rat | 24.6 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | 2460 mg/kg | - |
| | LD50 Oral | Rat | 2830 mg/kg | - |
| xylene | LD50 Dermal | Rabbit | 1.7 g/kg | - |
| | LD50 Oral | Rat | 4.3 g/kg | - |
| 2,4,6-tris(dimethylaminomethyl)phenol | LD50 Dermal | Rabbit | 1.28 g/kg | - |
| | LD50 Dermal | Rat | 1280 mg/kg | - |
| | LD50 Oral | Rat | 1200 mg/kg | - |
| 3,6-diazaoctanethylenediamin | LD50 Dermal | Rabbit | 1465 mg/kg | - |
| | LD50 Oral | Rat | 1716 mg/kg | - |
| English (GB) | Norwa | ay | | 11/19 |

| Code | 2 | 00250044 |
|-----------|---|---------------------|
| SIGMACOVE | R | 380 HARDENER |

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Rat

: 19 January 2024

1620 mg/kg

SECTION 11: Toxicological information

p-nonylphenol

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|---------|-------|-----------------|-------------|
| Tatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | Eyes - Severe irritant | Rabbit | - | - | - |
| | Skin - Irritant | Human | - | - | - |
| xylene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| 2,4,6-tris(dimethylaminomethyl)phenol | Skin - Visible necrosis | Rabbit | - | 4 hours | 7 days |
| Conclusion/Summary | | • | • | | • |

Skin

: There are no data available on the mixture itself.

Eyes

: There are no data available on the mixture itself.

LD50 Oral

Respiratory

: 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 | | Mouse | Sensitising |
| | | Guinea pig | Sensitising |

| Conclusion/Summary | |
|---------------------------------------|--|
| 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 |
|-------------------------|--------------------------|-------------------|--|
| 2-methylpropan-1-ol | Category 3 Category 3 | | Respiratory tract irritation Narcotic effects |
| xylene | Category 3 | | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|----------------|
| ethylbenzene | Category 2 | - | hearing organs |

Aspiration hazard

| Product/ingredient name | Result | | |
|-------------------------|--------------------------------|--|--|
| ethylbenzene | ASPIRATION HAZARD - Category 1 | | |
| xylene | ASPIRATION HAZARD - Category 1 | | |

| English (GB) | Norway | 12/19 |
|--------------|--------------|---------------------|
| | | |
| | English (GB) | English (GB) Norway |

English (GB)

Date of issue/Date of revision

SECTION 11: Toxicological information

| Information on likely routes of exposure | : Not available. |
|---|---|
| Potential acute health effects | |
| Inhalation | : May cause respiratory irritation. |
| Ingestion | : Corrosive to the digestive tract. Causes burns. |
| Skin contact | : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. |
| Eye contact | : Causes serious eye damage. |
| Symptoms related to the phy | sical, chemical and toxicological characteristics |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing 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 |
| 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 |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Delayed and immediate effec | ts 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. |
| <u>Long term exposure</u> | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health effect | <u>ets</u> |
| Not available. | |
| Conclusion/Summary | : Not available. |
| General | : May cause damage to organs through prolonged or repeated exposure. 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. |
| English (GB) | Norway 12/10 |

Norway

13/19

SECTION 11: Toxicological information

Other information

: Not available.

Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 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 |
| nonylphenol | Acute EC50 0.056 mg/l Fresh water | Algae - Desmodesmus subspicatus | 72 hours |
| | Chronic EC10 0.003 mg/l Fresh water | Algae - Desmodesmus subspicatus | 72 hours |
| | Chronic NOEC 1 µg/l Fresh water | Daphnia - <i>Daphnia</i> <i>magna</i> | 21 days |
| ethylbenzene | Acute EC50 1.8 mg/l Fresh water | Daphnia | 48 hours |
| | Chronic NOEC 1 mg/l Fresh water | Daphnia - Ceriodaphnia dubia | - |
| 2-methylpropan-1-ol | Acute EC50 1100 mg/l | Daphnia | 48 hours |
| 2,4,6-tris(dimethylaminomethyl)phenol | Acute LC50 175 mg/l | Fish | 96 hours |
| p-nonylphenol | Acute EC50 134.1 µg/l | Algae - | 72 hours |
| | Marine water | Phaeodactylum | |
| | | tricornutum - | |
| | | Exponential growth | |
| | | phase | |
| | Chronic EC10 73.8 µg/l | Algae - | 72 hours |
| | Marine water | Phaeodactylum | |
| | | tricornutum - | |
| | | Exponential growth | |
| | | phase | |

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|---|------|--------------------------|------|----------|
| ethylbenzene | - | 79 % - Readily - 10 days | - | - |
| Conclusion/Summary : There are no data available on the mixture itself. | | | | |

| English (| (GB) |
|-----------|------|
|-----------|------|

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SECTION 12: Ecological information

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|--------------------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | - | - | Not readily |
| ethylbenzene xylene | - | - | Readily Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential | |
|---------------------------------------|---------------|-------------|-----------|--|
| ponylphenol | 3.28 | 154.88 | Low | |
| ethylbenzene | 3.6 | 79.43 | Low | |
| 2-methylpropan-1-ol | 1 | - | Low | |
| xylene | 3.12 | 7.4 to 18.5 | Low | |
| 2,4,6-tris(dimethylaminomethyl)phenol | 0.219 | - | Low | |
| 3,6-diazaoctanethylenediamin | -1.66 to -1.4 | - | Low | |
| p-nonylphenol | 5.76 | 380.19 | Low | |

12.4 Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc) | |
| 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 Endocrine disrupting properties

May cause endocrine disruption.

12.7 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

| Product | |
|------------------------|---|
| 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. |
| European waste catalog | <u>ue (EWC)</u> |

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

Packaging

| English (| (GB) |
|-----------|------|
|-----------|------|

SECTION 13: Disposal considerations

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

14. Transport information

| | ADR/RID | ADN | IMDG | ΙΑΤΑ | |
|------------------------------------|--------------------------------|--------------------------------|--------------------------------|---|--|
| 14.1 UN number or ID number | UN3469 | UN3469 | UN3469 | UN3469 | |
| 14.2 UN proper shipping name | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | |
| 14.3 Transport hazard class(es) | 3 (8) | 3 (8) | 3 (8) | 3 (8) | |
| 14.4 Packing group | III | Ξ | III | III | |
| 14.5 Environmental hazards | Yes. | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. | |
| Marine pollutant substances | Not applicable. | Not applicable. | (Polyamide) | Not applicable. | |

Additional information

| ADR/RID | : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. |
|--|---|
| ADN | : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. |
| IMDG | : The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. |
| ΙΑΤΑ | : The environmentally hazardous substance mark may appear if required by other transportation regulations. |
| 14.6 Special pre- user | cautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |
| 14.7 Maritime tra bulk according t instruments | • |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (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 | ED/169/2012 | 4/19/2013 |
| Endocrine disrupting properties 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 | ED/169/2012 | 12/19/2012 |
| | 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 | ED/169/2012 | 12/19/2012 |

Annex XVII - Restrictions : Not applicable.

| on the manufacture, |
|-----------------------|
| placing on the market |
| and use of certain |
| dangerous substances, |
| mixtures and articles |
| |

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

| Category | |
|----------|--|
| P5c | |
| E1 | |

National regulations

| Product/ingredient name | List name | Name on list | Classification | Notes |
|-------------------------|--|--------------|----------------|-------|
| 5 | Norway Occupational Exposure Limits | etylbenzen | Carc. K | - |

| English | n (GB) | Norway | 17/19 |
|---------|--------|--------|-------|
| | | | |

SECTION 15: Regulatory information References : - Forskrift om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP) av 16.06.2012 med senere endringer - Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH-forskriften) av 30. mai 2008 med senere endringer. - Forskrift om gjenvinning og behandling av avfall (avfallsforskriften). 01.06 2004 nr. 930, med endringer. - FOR 2009-04-01 nr 384: Forskrift om landtransport av farlig gods med senere endringer, Direktoratet for samfunnssikkerhet og beredskap. 15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| 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, H335 | Calculation method |
| STOT RE 2, H373 | Calculation method |
| Aquatic Acute 1, H400 | Calculation method |
| Aquatic Chronic 1, H410 | Calculation method |

Full text of abbreviated H statements

| English (CB) | Norway 19/10 |
|--------------|---|
| | exposure. |
| H373 | May cause damage to organs through prolonged or repeated |
| | child. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn |
| H361 | Suspected of damaging fertility or the unborn child. |
| H336 | May cause drowsiness or dizziness. |
| H335 | May cause respiratory irritation. |
| H332 | Harmful if inhaled. |
| H319 | Causes serious eye irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H315 | Causes skin irritation. |
| H314 | Causes severe skin burns and eye damage. |
| H312 | Harmful in contact with skin. |
| H304 | May be fatal if swallowed and enters airways. |
| H302 | Harmful if swallowed. |
| H226 | Flammable liquid and vapour. |
| H225 | Highly flammable liquid and vapour. |

English (GB) Norway 18/19

| Code : 00250044 SIGMACOVER 380 HARDENER | Date of issue/Date of revision : 19 January 2024 |
|--|--|
| SECTION 16: Other inform | ation |
| H400 H410 H411 H412 Full text of classifications [CLP/GHS] | Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. |
| Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 2 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1 Skin Sens. 1A STOT RE 2 STOT SE 3 | ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |
| History Date of issue/ Date of : 19 Ja revision | anuary 2024 |
| | October 2023 |

| Date of previous issue | : 24 October 202 |
|------------------------|------------------|
| Prepared by | : EHS |
| Version | : 25.02 |

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