SAFETY DATA SHEET

Date of issue/Date of revision

: 26 April 2024

Version : 1.02

PPG

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

| 1.1 Product identifier | |
|----------------------------------|---|
| Product name | : SIGMAZINC 100 BASE |
| Product code | : 00251796 |
| 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 responsible for this SDS

: Product.Stewardship.EMEA@ppg.com

1.4 Emergency telephone number

Supplier

+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 Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 The product is classified as bazardous acco

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



Signal word

: Warning

English (GB)

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| SECTION 2: Hazards identifi | cation | |

| SECTION 2: Hazards | | |
|---|---|--|
| Hazard statements | : Flammable liquid and vapour. | |
| | Causes skin irritation. May cause an allergic skin reaction. | |
| | Causes serious eye irritation. | |
| | Very toxic to aquatic life with long lasting effects. | |
| Precautionary statements | | |
| Prevention | : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Avoid breathing vapour. | |
| Response | : Collect spillage. | |
| Storage | : Not applicable. | |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. | |
| | P280, P210, P273, P261, P391, P501 | |
| 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 | <u>ents</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 | : Prolonged or repeated contact may dry skin and cause irritation. | |

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures : | Vixture | | | |
|--|--|--------------|--|---------|
| Product/ingredient name | Identifiers | % | Classification | Туре |
| Znc powder zinc dust (stabilised) | REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9 | ≥25 - ≤50 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| Epoxy Resin (700 <mw<=1100)< td=""><td>CAS: 25036-25-3</td><td>≥10 - ≤25</td><td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317</td><td>[1]</td></mw<=1100)<> | CAS: 25036-25-3 | ≥10 - ≤25 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 | [1] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≥5.0 - <10 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | [1] [2] |
| xylene | REACH #: 01-2119488216-32 EC: 215-535-7 | ≥5.0 - ≤10 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 | [1] [2] |
| English (GB) | United P | (ingdom (UK) | | 2/1 |

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| SECTION 3: Composition/information on ingredients | | | |

| SECTION 3. Compositio | | | | 1 |
|--|--|-------------|---|---------|
| | CAS: 1330-20-7 | | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | |
| 1-methoxy-2-propanol | REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3 | ≥1.0 - ≤5.0 | Flam. Liq. 3, H226 STOT SE 3, H336 | [1] [2] |
| zinc oxide | REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 | ≥1.0 - ≤5.0 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| 4-methylpentan-2-one | REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4 | <1.0 | Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066 | [1] [2] |
| Octadecanamide, N, N'-1,6-hexanediylbis[12-hydroxy- | CAS: 55349-01-4 | ≤0.30 | Skin Sens. 1, H317 Aquatic Chronic 4, H413 | [1] |
| | | | See Section 16 for the full text of the H statements declared above. | |

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. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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 | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. |
|----------------------------|---|
| 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. 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 symptoms and effects, both acute and delayed

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| SECTION 4: First a | id measures |
| Potential acute health effe | <u>cts</u> |
| Eye contact | : Causes serious eye irritation. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : No known significant effects or critical hazards. |
| Over-exposure signs/syn | <u>nptoms</u> |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: |

| Ingestion | : No specific data. |
|--------------------------|----------------------------------|
| 4.3 Indication of any im | mediate medical attention and sr |

3 Indication of any immediate medical attention and special treatment needed

irritation redness dryness cracking

| Notes to physician | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
|---------------------|--|
| Specific treatments | : No specific treatment. |

SECTION 5: Firefighting 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 f | rom | 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 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. |

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SECTION 6: Accidental release measures

| 6.1 Personal precautions, pro | te | ctive 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. Avoid breathing 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 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 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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. 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. |

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

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SECTION 7: Handling and storage

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. 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

| Product/ingredient name | Exposure limit values |
|-------------------------|---|
| ethylbenzene | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed |
| | through skin. |
| | STEL: 552 mg/m ³ 15 minutes. |
| | STEL: 125 ppm 15 minutes. |
| | TWA: 441 mg/m ³ 8 hours. |
| | TWA: 100 ppm 8 hours. |
| xylene | EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-,p- |
| | or mixed isomers] Absorbed through skin. |
| | STEL: 441 mg/m ³ 15 minutes. |
| | STEL: 100 ppm 15 minutes. |
| | TWA: 220 mg/m ³ 8 hours. |
| | TWA: 50 ppm 8 hours. |
| 1-methoxy-2-propanol | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed |
| | through skin. |
| | STEL: 560 mg/m³ 15 minutes. |
| | STEL: 150 ppm 15 minutes. |
| | TWA: 375 mg/m ³ 8 hours. |
| | TWA: 100 ppm 8 hours. |
| 4-methylpentan-2-one | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed |
| | through skin. |
| | STEL: 416 mg/m ³ 15 minutes. |
| | STEL: 100 ppm 15 minutes. |
| | TWA: 208 mg/m ³ 8 hours. |
| | TWA: 50 ppm 8 hours. |

Biological exposure indices

| Product/ingredient name | Exposure indices |
|------------------------------|---|
| xylene | XYLENES |
| 4-methylpentan-2-one | 4-METHYLPENTAN-2-ONE / METHYL ISOBUTYL KETONE |
| procedures national guidance | ld be made to appropriate monitoring standards. Reference to e documents for methods for the determination of hazardous also be required. |

DNELs/DMELs

English (GB)

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SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|-------------------------|------|-----------------------|-------------------------|--------------------|----------|
| e thylbenzene | 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/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 180 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Inhalation | 293 mg/m ³ | 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 |
| 1-methoxy-2-propanol | DNEL | Long term Oral | 33 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 43.9 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 78 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 183 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 369 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 553.5 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 553.5 mg/m ³ | Workers | Systemic |
| zinc oxide | DNEL | Long term Inhalation | 0.5 mg/m ³ | Workers | Local |
| | DNEL | Long term Oral | 0.83 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 2.5 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 5 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 83 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 83 mg/kg bw/day | Workers | Systemic |
| 4-methylpentan-2-one | DNEL | Long term Dermal | 4.2 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 11.8 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 14.7 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 14.7 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 83 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 83 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 155.2 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 155.2 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 208 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 208 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Oral | 4.2 mg/kg bw/day | General population | Systemic |
| PNECs | 1 | 5 | | 1 1 | |

PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|------------------------------------|------------------------|----------------|--------------------------|
| zinc powder zinc dust (stabilised) | Fresh water | 20.6 µg/l | Sensitivity Distribution |
| | Marine water | 6.1 µg/l | Sensitivity Distribution |
| | Sewage Treatment Plant | 100 µg/l | Assessment Factors |
| | Fresh water sediment | 118 mg/kg dwt | Sensitivity Distribution |
| | Marine water sediment | 56.5 mg/kg dwt | Equilibrium Partitioning |
| | Soil | 35.6 mg/kg dwt | Sensitivity Distribution |
| 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 | - |
| xylene | Fresh water | 0.327 mg/l | - |
| | Marine water | 0.327 mg/l | - |
| | Sewage Treatment Plant | 6.58 mg/l | - |
| English (GB) | United Kingdom (UK | X) | 7/16 |

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SECTION 8: Exposure controls/personal protection

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|----------------------|------------------------|-----------------|--------------------------|
| | Fresh water sediment | 12.46 mg/kg dwt | - |
| | Marine water sediment | 12.46 mg/kg dwt | - |
| | Soil | 2.31 mg/kg | - |
| 1-methoxy-2-propanol | Fresh water | 10 mg/l | Assessment Factors |
| | Marine water | 1 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 100 mg/l | Assessment Factors |
| | Fresh water sediment | 41.6 mg/kg | Equilibrium Partitioning |
| | Marine water sediment | 4.17 mg/kg | Equilibrium Partitioning |
| | Soil | 2.47 mg/kg | Equilibrium Partitioning |
| zinc oxide | Fresh water | 20.6 µg/l | Sensitivity Distribution |
| | Marine water | 6.1 µg/l | Sensitivity Distribution |
| | Fresh water sediment | 117 mg/kg dwt | Sensitivity Distribution |
| | Sewage Treatment Plant | 52 µg/l | Assessment Factors |
| | Marine water sediment | 56.5 mg/kg dwt | Assessment Factors |
| | Soil | 35.6 mg/kg dwt | Sensitivity Distribution |
| 4-methylpentan-2-one | Fresh water | 0.6 mg/l | Assessment Factors |
| | Marine water | 0.06 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 27.5 mg/l | Assessment Factors |
| | Fresh water sediment | 8.27 mg/kg | Equilibrium Partitioning |
| | Marine water sediment | 0.83 mg/kg | Equilibrium Partitioning |
| | Soil | 1.3 mg/kg | Equilibrium Partitioning |

| Other skin protection | 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. 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 specialist before handling this product. |
|--|---|
| | static protective clothing. For the greatest protection from static discharges, clothing |
| Body protection | : Personal protective equipment for the body should be selected based on the task bein performed and the risks involved and should be approved by a specialist before |
| 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 |
| Eye/face protection Skin protection | : Chemical splash goggles. |
| 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. |
| Individual protection mea | sures |
| 3.2 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. |

| Code : 00251 | 796 | Date of issue/Date of revis | sion | : 26 April 2024 |
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| SIGMAZINC 100 BAS | E | | | |
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SECTION 8: Exposure controls/personal protection

| 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. |

SECTION 9: Physical and chemical properties

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

| Physical state | : Liqu | | | | | |
|--|---|--|--|---------------------------------------|------------|--|
| Colour | | available. | | | | |
| Odour | : Aro | matic. | | | | |
| Odour threshold | : Not | available. | | | | |
| Melting point/freezing point | on o | | | | | ·138.8°F) This is bas d average: -95.13°C |
| Initial boiling point and boiling range | : >37 | 7.78°C (>10 | 0°F) | | | |
| Flammability (solid, gas) | : liqu | id | | | | |
| Upper/lower flammability or explosive limits | : Gre | atest know | n range: Lower: 1. | 48% Upper: 1 | 3.74% (1-m | ethoxy-2-propanol) |
| Flash point | : Clos | sed cup: 23 | 3°C (73.4°F) | | | |
| Auto-ignition temperature | : | | | | | |
| Ingredient name | | °C | °F | N | lethod | |
| 1-methoxy-2-propanol | | 270 | 518 | | | |
| | | | | | | |
| рН | | applicable applicable | | I | | |
| pH Viscosity | Not | applicable | . insoluble in water ?C): >21 mm²/s | | | |
| | Not | applicable | . insoluble in water | ·. · | | |
| Viscosity | Not : Kine : | applicable | . insoluble in water | I | | |
| Viscosity Solubility(ies) | Not : Kine : R | applicable ematic (40° | . insoluble in water | ·. | | |
| · Viscosity Solubility(ies) Media | Not : Kine : R | applicable ematic (40° esult | . insoluble in water | · · · · · · · · · · · · · · · · · · · | | |
| Viscosity Solubility(ies) Media cold water | Not : Kine : R No : No. | applicable ematic (40° esult ot soluble | . insoluble in water °C): >21 mm²/s | · · · · · · · · · · · · · · · · · · · | | |
| Viscosity Solubility(ies) Media cold water Miscible with water Partition coefficient: n-octai water | Not : Kine : R Not : No. | applicable ematic (40° esult ot soluble | . insoluble in water °C): >21 mm²/s | · | | |
| Viscosity Solubility(ies) Media cold water Miscible with water Partition coefficient: n-octai | Not : Kine : R No : No. : Not : | applicable ematic (40° esult ot soluble applicable | . insoluble in water °C): >21 mm²/s | | apour pres | ssure at 50°C |
| Viscosity Solubility(ies) Media cold water Miscible with water Partition coefficient: n-octai water | Not : Kine : R No : No. : Not : | applicable ematic (40° esult ot soluble applicable | . insoluble in water 'C): >21 mm²/s | | apour pres | ssure at 50°C Method |
| Viscosity Solubility(ies) Media cold water Miscible with water Partition coefficient: n-octai water Vapour pressure | Not : Kine : R No : No. : Not : Va | applicable ematic (40° esult ot soluble applicable | . insoluble in water 'C): >21 mm²/s | V | <u> </u> | |
| Viscosity Solubility(ies) Media cold water Miscible with water Partition coefficient: n-octai water Vapour pressure | Not : Kine : R No : No : Not : Va mm Hg | applicable ematic (40° esult ot soluble applicable apour Pres kPa 1.2 | . insoluble in water 'C): >21 mm²/s | V | <u> </u> | |

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SECTION 9: Physical and chemical properties

| | The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |
|--|---|
| Oxidising properties Particle characteristics | : Product does not present an oxidizing hazard. |
| Median particle size | : Not applicable. |

| 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 | : Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides | | | |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|---------------------------------|---------|-------------------------|----------|
| zínc powder zinc dust | LC50 Inhalation Dusts and | Rat | >5.4 mg/l | 4 hours |
| (stabilised) | mists | | _ | |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| Epoxy Resin (700 <mw <=1100)</mw | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 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 | - |
| xylene | LD50 Dermal | Rabbit | 1.7 g/kg | - |
| | LD50 Oral | Rat | 4.3 g/kg | - |
| 1-methoxy-2-propanol | LC50 Inhalation Vapour | Rat | >7000 ppm | 6 hours |
| | LD50 Dermal | Rabbit | 13 g/kg | - |
| | LD50 Oral | Rat | 5.2 g/kg | - |
| zinc oxide | LC50 Inhalation Dusts and mists | Rat | >5700 mg/m ³ | 4 hours |
| | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| 4-methylpentan-2-one | LC50 Inhalation Vapour | Rat | 11 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 2.08 g/kg | - |

Acute toxicity estimates

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SECTION 11: Toxicological information

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|------------------|-------------------|--------------------------------|-----------------------------------|--|
| SIGMAZINC 100 BASE | N/A | 26992.3 | N/A | 107.3 | N/A |
| ethylbenzene | 3500 | 17800 | N/A | 17.8 | N/A |
| xylene | 4300 | 1700 | N/A | 11 | N/A |
| 1-methoxy-2-propanol | 5200 | 13000 | N/A | N/A | N/A |
| 4-methylpentan-2-one | 2080 | N/A | N/A | 11 | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--------------------------------|--|-------------------|-------|--------------------|-------------|
| x ylene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| Conclusion/Summary | : Not available. | | | | |
| Skin | : There are no data available or | n the mixture its | elf. | | |
| Eyes | : There are no data available or | n the mixture its | elf. | | |
| Respiratory | : There are no data available or | n the mixture its | elf. | | |
| Sensitisation | | | | | |
| Conclusion/Summary | | | | | |
| Skin | : There are no data available or | n the mixture its | elf. | | |
| Respiratory | : There are no data available or | n the mixture its | elf. | | |
| Mutagenicity | | | | | |
| Conclusion/Summary | : There are no data available or | n the mixture its | elf. | | |
| Carcinogenicity | | | | | |
| Conclusion/Summary | : There are no data available or | n the mixture its | elf. | | |
| Reproductive toxicity | | | | | |
| Conclusion/Summary | : There are no data available or | n the mixture its | elf. | | |
| Teratogenicity | | | | | |
| Conclusion/Summary | : There are no data available or | n the mixture its | elf. | | |
| Specific target organ toxicity | Specific target organ toxicity (single exposure) | | | | |

| Product/ingredient name | Category | Route of exposure | Target organs |
|--|--------------------------|-------------------|--------------------------------------|
| xylene | Category 3 | - | Respiratory tract irritation |
| 1-methoxy-2-propanol 4-methylpentan-2-one | Category 3 Category 3 | - | Narcotic effects Narcotic effects |

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 |

Information on likely routes : Not available. of exposure

Potential acute health effects

Eye contact

: Causes serious eye irritation.

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|---|--|
| SECTION 11: Toxico | logical information |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the phy | vsical, chemical and toxicological characteristics |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking |
| Ingestion | : No specific data. |
| <u>Delayed and immediate effect</u> <u>Short term exposure</u> Potential immediate effects | ts as well as chronic effects from short and long-term exposure : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health eff | <u>ects</u> |
| Not available. | |
| Conclusion/Summary | : Not available. |
| 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. |
| · · · | |

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure | |
|---------------------------------------|-------------------------------------|---|----------|--|
| zínc powder zinc dust (stabilised) | Acute EC50 0.106 mg/l Fresh water | Algae - Pseudokirchneriella subcapitata | 72 hours | |
| 、 , | Chronic EC10 6.3 µg/l | Daphnia - Water flea - <i>Daphnia magna</i> - Neonate | 21 days | |
| ethylbenzene | Acute EC50 1.8 mg/l Fresh water | Daphnia | 48 hours | |
| - | Chronic NOEC 1 mg/l Fresh water | Daphnia - Ceriodaphnia dubia | - | |
| 1-methoxy-2-propanol | Acute LC50 23300 mg/l | Daphnia - Daphnia | 48 hours | |
| | Acute LC50 >4500 mg/l Fresh water | Fish - Goldfish | 96 hours | |
| zinc oxide | Acute EC50 0.17 mg/l | Algae | 72 hours | |
| | Acute EC50 0.481 mg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 48 hours | |
| | Chronic NOEC 0.017 mg/l Fresh water | Algae | 72 hours | |
| English (GB) United Kingdom (UK) | | | | |

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

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|--|---------|----------------------|--------------------------------|-----------------|--|
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SECTION 12: Ecological information

| 4-methylpentan-2-one | Acute LC50 >179 mg/l | Fish | 96 hours |
|----------------------|-----------------------------|------|----------|
| 0 | • NI • 6 • • • • 11 • 1 • 1 | | |

Conclusion/Summary

: Not available.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | Inoculum |
|--|-------------------|--|-------------|------|-------------------------------|
| ethylbenzene 4-methylpentan-2-one | - OECD 301F | 79 % - Readily - 10 83 % - Readily - 28 | | - | - |
| Conclusion/Summary | : Not available. | · | | | |
| Product/ingredient name | Aquatic half-life | | Photolys | is | Biodegradability |
| ethylbenzene xylene 4-methylpentan-2-one | - - - | | - - - | | Readily Readily Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-------------|-----------|
| ethylbenzene | 3.6 | 79.43 | Low |
| xylene | 3.12 | 7.4 to 18.5 | Low |
| 1-methoxy-2-propanol | <1 | - | Low |
| 4-methylpentan-2-one | 1.9 | - | Low |

| 12. | 4 M | obili | ity ir | ı soi | |
|-----|-----|-------|--------|-------|--|
| | | | | | |

| 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

| 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 catalogueWaste designation 08 01 11*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.English (GB)United Kingdom (UK)13/16 | Product | |
|---|------------------------|---|
| 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. | Methods of disposal | 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 |
| 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. | Hazardous waste | : Yes. |
| 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances Packaging 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. | <u>Waste catalogue</u> | |
| 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. | Waste code | Waste designation |
| 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. | 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |
| packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. | Packaging | |
| English (GB) United Kingdom (UK) ^{13/16} | Methods of disposal | packaging should be recycled. Incineration or landfill should only be considered |
| | English (GB) | United Kingdom (UK) ^{13/} |

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SECTION 13: Disposal considerations

| Type of packaging | | Waste catalogue |
|---------------------|--|---|
| Container | 15 01 06 | mixed packaging |
| Special precautions | taken when har Empty containe residues may ci container. Do r thoroughly inter | nd its container must be disposed of in a safe way. Care should be adling emptied containers that have not been cleaned or rinsed out. Its or liners may retain some product residues. Vapour from product reate a highly flammable or explosive atmosphere inside the not cut, weld or grind used containers unless they have been cleaned mally. Avoid dispersal of spilt material and runoff and contact with , drains and sewers. |

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|------------------------------------|-----------------|-----------------|---|---|
| 14.1 UN number | UN1263 | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 | 3 |
| 14.4 Packing group | III | 111 | III | |
| 14.5 Environmental hazards | Yes. | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances | Not applicable. | Not applicable. | (Zinc powder - zinc dust (stabilized)) | Not applicable. |

Additional information

| ADR/RID | : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. |
|-------------|--|
| Tunnel code | : (D/E) |
| 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 ≤ 5 L or ≤ 5 kg. |
| ΙΑΤΑ | : The environmentally hazardous substance mark may appear if required by other transportation regulations. |
| | |

14.6 Special precautions for user : **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 Transport in bulk according to IMO instruments

: Not available.

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

<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

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SECTION 15: Regulatory information

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

Category

P5c

E1

SECTION 16: Other information

Indicates information that has changed from previously issued version.

| | 5 1 5 |
|-------------------|---|
| Abbreviations and | : ATE = Acute Toxicity Estimate |
| acronyms | 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 Irrit. 2, H315 | Calculation method |
| Eye Irrit. 2, H319 | Calculation method |
| Skin Sens. 1, H317 | 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. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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| | | | |

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SECTION 16: Other information

Full text of classifications

| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
|-------------------|---|
| Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| Aquatic Chronic 4 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4 |
| Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 |
| Carc. 2 | CARCINOGENICITY - Category 2 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |
| History | |

| Date of issue/ Date of revision | : 26 April 2024 |
|---------------------------------|-------------------|
| Date of previous issue | : 25 October 2023 |
| Prepared by | : EHS |
| Version | : 1.02 |

Disclaimer

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