SAFETY DATA SHEET

Cameroon

Date of issue/Date of revision : 28 August 2024 Version : 10.03 SECTION 1: Identification of the substance/mixture and of the company/ undertaking **1.1 Product identifier Product name** : SIGMACOVER 256/435/456/522 HARDENER **Product code** : 00141100 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. : Coating.; Hardener. Use of the substance/ mixture : Product is not intended, labelled or packaged for consumer use. **Uses advised against** 1.3 Details of the supplier of the safety data sheet **PPG** Cameroun BP 1028, Douala Cameroon Tel: 00237 33 37 83 47 Fax: 00237 33 37 88 98 e-mail address of person : PS.ACEMEA@ppg.com responsible for this SDS **1.4 Emergency telephone** : ORFILA (INRS) 0033 (0)1 45 42 59 59 / 00237 33 37 83 47 number

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 Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 3, H412 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

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| SECTION 2: Hazards identification | | | | |
| Hazard pictograms | | | | |
| Signal word | : Danger | | | |
| Hazard statements | Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful 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. | | | |
| Response | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. | | | |
| 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, P305 + P351 + P338, P310, P403 + P233, P501 | | | |
| Hazardous ingredients | P-methylpropan-1-ol Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines 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 vPvE | | | |
| Other hazards which do not result in classification | : Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. | | | |

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
|--|---|-------------|---|---|---------|
| ₽-methylpropan-1-ol | REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 | ≥25 - ≤50 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | - | [1] [2] |
| xylene | REACH #: 01-2119488216-32 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] |
| Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines | CAS: 68410-23-1 | ≥10 - <25 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411 | - | [1] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 | ≥1.0 - ≤5.0 | 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] |
| 2,4,6-tris (dimethylaminomethyl) phenol | REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 | ≥1.0 - ≤3.5 | 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 | ≤1.4 | Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above. | ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg | [1] [2] |

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

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

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SECTION 3: Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

| 4.1 Description of first aid n | neasures |
|--------------------------------|---|
| 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 symptoms and effects, both acute and delayed

| Eye contact | : Causes serious eye damage. |
|-------------------------------|---|
| Inhalation | Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. |
| Skin contact | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. |
| <u>Over-exposure signs/sy</u> | <u>mptoms</u> |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur |
| Ingestion | : Adverse symptoms may include the following: stomach pains |
| .3 Indication of any imm | ediate 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. |

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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 harmful 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. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective 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. |
| 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. |

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SECTION 6: Accidental release measures

| 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. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|--|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 7.2 Conditions for safe storage, including any incompatibilities | : Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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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/ingredi | ent | name | | Exposure limit values | |
|---|------|---|---|---|--|
| ✓-methylpropan-1-ol | | | ACGIH TLV (United 3 TWA: 152 mg/m ³ 8 l TWA: 50 ppm 8 hou | nours. | |
| xylene | | | | 2022). [xylene, mixed isomers] | Absorbed |
| ethylbenzene | | | STEL: 100 ppm 15 r TWA: 221 mg/m ³ 8 l TWA: 50 ppm 8 hou | ninutes. nours. rs. 2 022). Absorbed through skin. 5 minutes. ninutes. nours. | |
| 3,6-diazaoctanethylenediam | nin | | IPEL (-). Absorbed to TWA: 1 ppm | | |
| Recommended monitoring procedures | 1 : | Standard EN 689 by inhalation to o strategy) Europe application and u biological agents requirements for agents) Referen | (Workplace atmosphe hemical agents for con ean Standard EN 14042 use of procedures for th) European Standard I the performance of pro- the performance of pro- | g standards, such as the followin eres - Guidance for the assessme parison with limit values and me 2 (Workplace atmospheres - Guid e assessment of exposure to che EN 482 (Workplace atmospheres ocedures for the measurement of e documents for methods for the quired. | ent of exposure easurement de for the emical and s - General f chemical |
| 3.2 Exposure controls | | | | | |
| Appropriate engineering controls | : | other engineering recommended of | g controls to keep work r statutory limits. The e oncentrations below an | e process enclosures, local exhan er exposure to airborne contamin engineering controls also need to y lower explosive limits. Use exp | nants below any keep gas, |
| Individual protection meas | ures | L . | | | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. | | | |
| Eye/face protection <u>Skin protection</u> | - | Chemical splash | goggles and face shie | ld. | |
| Hand protection | : | worn at all times necessary. Cons during use that the noted that the tim glove manufacture | when handling chemic sidering the parameters ne gloves are still retair ne to breakthrough for a rers. In the case of mix | complying with an approved stand al products if a risk assessment is s specified by the glove manufact ing their protective properties. It any glove material may be different ktures, consisting of several subs accurately estimated. When pro | ndicates this is turer, check should be ent for different stances, the |
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| | | 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 protec | tion : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti- static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. | | |
| Other skin p | protection : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | | |
| Respiratory p | rotection : | | | |
| Environmenta controls | al exposure : | 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.

| boiling range | | |
|--|-----|---|
| Initial boiling point and | : | >37.78°C |
| Flammability | 1 | Not available. |
| Upper/lower flammability or explosive limits | : | Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol) |
| Flash point | : | Closed cup: 25°C |
| Auto-ignition temperature | | 430°C (806°F) |
| Decomposition temperature | | Stable under recommended storage and handling conditions (see Section 7). |
| рН | : | Not applicable. insoluble in water. |
| Viscosity | : | Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s |
| Viscosity | : | 60 - 100 s (ISO 6mm) |
| Solubility(ies) | : | |
| Media | | Result |
| cold water | | Not soluble |
| Partition coefficient: n-octanol | 1 : | Not applicable. |
| water | | |
| Vapour pressure | : | |
| | | |

9.1 Information on basic physical and chemical properties

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SECTION 9: Physical and chemical properties

| | | In mode of a second | Vapour Pressure at 20°C | | | Vapour pressure at 50 | | sure at 50°C |
|--------------------------|---|---|-------------------------|------|-------------------|-----------------------|-----|--------------|
| | | Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| | | ₽-methylpropan-1-ol | <12.00102 | <1.6 | DIN EN 13016-2 | | | |
| Evaporation rate | : | Highest known value: 0.84 (ethylbenzene) Weighted average: 0.71compared with butyl acetate | | | | | | |
| Relative density | : | 0.95 | | | | | | |
| Vapour density | : | Highest known value: 5.04 (Air = 1) (3,6-diazaoctanethylenediamin). Weighted average: 3.17 (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: Stabilit | ty 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 toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---------------------------------------|------------------------|---------|------------|----------|
| ₽-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 | - |
| 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 | - |
| 2,4,6-tris(dimethylaminomethyl)phenol | LD50 Dermal | Rat | 1280 mg/kg | - |
| | LD50 Oral | Rat | 1200 mg/kg | - |
| <u>.</u> | English (GB) | Car | meroon | 9/15 |

| Conforms to Regulation (EC) No. 1907/20 2020/878 | 006 (REACH), / | Annex II, as | amen | ided b | y Comr | nission R | egulatio | n (EU) |
|--|-----------------------------------|----------------|---------|----------|---------------------|--------------------------|--------------|------------------------|
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| SECTION 11: Toxicological ir | formatior | 1 | | | | | | |
| 3,6-diazaoctanethylenediamin | LD50 Derm LD50 Oral | | | | bit | 1465 mg/kg 1716 mg/kg | | - |
| Conclusion/Summary : There ar | e no data avail | lable on the | mixtur | e itsel | f. | | | |
| Irritation/Corrosion | | | | | | | | |
| Product/ingredient name | Res | sult | lt Spe | | Score | Exposure | | Observation |
| x ylene | Skin - Mode | rate irritant | Rabb | oit | - | 24 hours | s 500 mg | - |
| Conclusion/Summary | | | | | • | | | |
| Skin : There are | e no data availa | able on the i | mixture | e itself | | | | |
| Eyes : There are | e no data availa | able on the i | mixture | e itself | | | | |
| Respiratory : There are | e no data availa | able on the i | mixture | e itself | | | | |
| <u>Sensitisation</u> | | | | | | | | |
| Product/ingredient name | | Route expos | - | | Spec | ies | · · | Result |
| Fatty acids, C18-unsatd., dimers, reaction | n products | skin | | Мог | ise | | Sensitisi | ng |
| with polyethylenepolyamines 3,6-diazaoctanethylenediamin | | skin | | Guii | nea pig | | Sensitisi | ng |
| Conclusion/Summary | | | | | | | | |
| Skin : There ar | re no data avail | lable on the | mixtur | e itsel | f. | | | |
| | e no data avail | lable on the | mixtur | e itsel | f. | | | |
| <u>Mutagenicity</u> | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | e no data avail | lable on the | mixtur | e itsel | f. | | | |
| <u>Carcinogenicity</u> | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | e no data avail | lable on the | mixtur | e itsel | f. | | | |
| Reproductive toxicity | | | | | - | | | |
| - | e no data avail | lable on the | mixtur | e itsel | f. | | | |
| <u>Teratogenicity</u> | | | | ., . | | | | |
| | e no data avail | lable on the | mixtur | e itsel | t. | | | |
| Specific target organ toxicity (single ex | (posure) | | | 1 | | | | |
| Product/ingredient nam | e | Cate | gory | | Route of xposure | | Target | organs |
| 2-methylpropan-1-ol | | Categ | | - | | | | ract irritation |
| xulana. | | Categ Categ | | | | | cotic effe | cts ract irritation |
| xylene Specific target organ toxicity (repeated | | Caley | Ory 5 | - | | T(es | spiratory ti | |
| | | | | | | | | |
| Product/ingredient nam | e | Cate | | | Route o exposur | | larget | organs |
| ethylbenzene | | Categ | ory 2 | - | | hea | ring orga | าร |
| Aspiration hazard | | · | | • | | | | |
| Product/ingredient n | ame | | | | | Resu | lt | |
| xylene ethylbenzene | | | | | | | | |
| Information on likely : Not avai routes of exposure | lable. | | | | | | | |
| Potential acute health effects | | | | | | | | |
| Inhalation : Can cau | se central nerv s. May cause r | | | | ession. | May cause | e drowsin | ess or |
| | | glish (GB) | | | Car | neroon | | 10/15 |
| | | | | | | | | |

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| SECTION 11: Toxicol | ogical information |
| Ingestion | : Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. |
| Skin contact | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. |
| Eye contact | : Causes serious eye damage. |
| Symptoms related to the ph | vsical, chemical and toxicological characteristics |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness |
| Ingestion | : Adverse symptoms may include the following: stomach pains |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Delayed and immediate effe | cts as well as chronic effects from short and long-term exposure |
| <u>Short term exposure</u> | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health effe | ects |
| Not available. | |
| Conclusion/Summary | : Not available. |
| General | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/c 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 | : No known significant effects or critical hazards. |
| 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.

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SECTION 11: Toxicological information

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|--|---------------------------------|----------------------|
| 2-methylpropan-1-ol | Acute EC50 1100 mg/l | Daphnia | 48 hours |
| Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines | EC50 4.11 mg/l Fresh water | Algae | 72 hours |
| ethylbenzene | Acute EC50 1.8 mg/l Fresh water | Daphnia | 48 hours |
| | Chronic NOEC 1 mg/l Fresh water | Daphnia - Ceriodaphnia dubia | - |
| 2,4,6-tris(dimethylaminomethyl)phenol | Acute LC50 >100 mg/l Acute LC50 >100 mg/l | Daphnia Fish | 48 hours 96 hours |

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|---|--|---|------|----------|
| Atty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene 2,4,6-tris (dimethylaminomethyl)phenol | - OECD 301D Ready Biodegradability - Closed Bottle Test | 15 % - 28 days 79 % - Readily - 10 days 4 % - Not readily - 28 days | - | - |

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

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------------|
| Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines | - | - | Readily Not readily |
| ethylbenzene 2,4,6-tris(dimethylaminomethyl)phenol | - | - | Readily Not readily |

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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SECTION 12: Ecological information

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

12.6 Endocrine disrupting properties

Not available.

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 catalogue (EWC)

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

Packaging

Methods of disposal

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

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

SECTION 14: Transport information

| | ADR/RID | IMDG | ΙΑΤΑ |
|------------------------------------|------------------------|------------------------|------------------------|
| 14.1 UN number or ID number | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT RELATED MATERIAL | PAINT RELATED MATERIAL | PAINT RELATED MATERIAL |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packing group | | | |
| 1 | ' Ei | nglish (GB) Car | neroon <i>13/15</i> |

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|---|--|------------------------------------|--|
| | | | |
| | ansport informat | | |
| 14.5 Environmental hazards | No. | No. | No. |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |
| Additional information | | | |
| 2.2 | .3.1.5.1. | s not subject to regulation in pac | ckagings up to 450 L according to |
| Tunnel code : (D/ | , | | |
| | is class 3 viscous liquid is ne identified. | s not subject to regulation in pac | ckagings up to 450 L according to 2.3.2.5. |
| IATA : No | ne identilied. | | |
| user 14.7 Transport in bulk according to IMO instruments | 1 0 | cident or spillage. | porting the product know what to do in the |
| | gulatory informa | tion | |
| | | ions/legislation specific for th | e substance or mixture |
| | o. 1907/2006 (REACH) | uth evice tieve | |
| Annex XIV - List of s | ubstances subject to a | ultionsalion | |
| None of the compone | ents are listed | | |
| Substances of very | | | |
| None of the compone | ents are listed. | | |
| Annex XVII - Restric | |). | |
| on the manufacture, placing on the mark | | | |
| and use of certain | | | |
| dangerous substand mixtures and articles | * | | |
| | s ternational regulations. | | |
| | ternational regulations. | | |
| Explosive precursors | Not applicable. | | |

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 | : ATE = Acute Toxicity Estimate |
|-------------------|---|
| acronyms | 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 |
| | |

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| SECTION 16: Other i | nformation | | |
| Full text of abbreviated H statements | H226Flammable liquidH302Harmful if swalldH304May be fatal if swalldH312Harmful in contaH312Harmful in contaH314Causes severe sH315Causes skin irritH317May cause an alH318Causes seriousH319Causes seriousH332Harmful if inhaleH335May cause respiH336May cause drowH373May cause damaH411Toxic to aquatic | wed. wallowed and enters airways. act with skin. skin burns and eye damage. ation. llergic skin reaction. eye damage. eye irritation. d. | epeated exposure. |
| Full text of classifications [CLP/GHS] | : Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A STOT RE 2 STOT SE 3 | ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRR SERIOUS EYE DAMAGE/EYE IRR FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 3 | IC HAZARD - Category 1 ITATION - Category 1 ITATION - Category 2 2 3 Category 1B Category 1C Category 2 1 1A CITY - REPEATED |
| <u>History</u> Date of issue/ Date of revision | : 28 August 2024 | | |
| Date of previous issue | : 8 February 2024 | | |
| Prepared by | : EHS | | |
| Version | : 10.03 | | |

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