# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 11 October 2024

Version

: 1.01



pPg

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking **1.1 Product identifier Product name** : SIGMAZINC 68 GP HARDENER **Product code** : 000001191884 Other means of identification 00463749; 00474754 1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Professional applications, Used by spraying. : Hardener.; Coating. 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 Sénégal BP1107, Dakar Senegal Tel: 00221 33 832 3475 Fax: 00221 33 832 0973 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 / 00221 33 832 3475 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 Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317

STOT SE 3, H335 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 Hazard pictograms



Signal word

| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) |  |
|-------------------------------------------------------------------------------------------------------|--|
| 2020/878                                                                                              |  |

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| SIGMAZINC 68 GP HARDENER |                                |                   |

# **SECTION 2: Hazards identification**

| SECTION 2. Hazarus                                                                                                                                |                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements                                                                                                                                 | <ul> <li>Flammable liquid and vapour.</li> <li>Causes severe skin burns and eye damage.</li> <li>May cause an allergic skin reaction.</li> <li>May cause respiratory irritation.</li> <li>Harmful to aquatic life with long lasting effects.</li> </ul> |
| 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.                                                                                |
| Response                                                                                                                                          | : IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED:<br>Immediately call a POISON CENTER or doctor.                                                                                                                                  |
| Storage                                                                                                                                           | : Store in a well-ventilated place. Keep container tightly closed.                                                                                                                                                                                      |
| Disposal                                                                                                                                          | <ul> <li>Dispose of contents and container in accordance with all local, regional, national and<br/>international regulations.</li> <li>P280, P210, P304 + P310, P301 + P310, P403 + P233, P501</li> </ul>                                              |
| Supplemental label elements                                                                                                                       | : Not applicable.                                                                                                                                                                                                                                       |
| Annex XVII - Restrictions<br>on the manufacture,<br>placing on the market and<br>use of certain dangerous<br>substances, mixtures and<br>articles | : Not applicable.                                                                                                                                                                                                                                       |
| Special packaging requirem                                                                                                                        | <u>ients</u>                                                                                                                                                                                                                                            |
| Containers to be fitted<br>with child-resistant<br>fastenings                                                                                     | : Not applicable.                                                                                                                                                                                                                                       |
| Tactile warning of danger                                                                                                                         | : Not applicable.                                                                                                                                                                                                                                       |
| 2.3 Other hazards                                                                                                                                 |                                                                                                                                                                                                                                                         |
| Product meets the criteria<br>for PBT or vPvB                                                                                                     | : 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            | : Mixture                                                       |           |                                                                                                             |                                                                         |         |
|-------------------------|-----------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------|
| Product/ingredient name | Identifiers                                                     | %         | Classification                                                                                              | Specific Conc.<br>Limits, M-factors<br>and ATEs                         | Туре    |
| ₽ poxy Amine Resin      | CAS: SUB123903                                                  | ≥10 - ≤25 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                            | -                                                                       | [1]     |
| xylene                  | REACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7 | ≥10 - ≤25 | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 | ATE [Dermal] = 1700<br>mg/kg<br>ATE [Inhalation<br>(vapours)] = 11 mg/l | [1] [2] |
|                         |                                                                 | English   | (GB)                                                                                                        | Senegal                                                                 | 2/16    |

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# SECTION 3: Composition/information on ingredients

| SECTION 3: Compo                                                           | sition/informat                                                                       | ion on II   | ngredients                                                                                                                                                                     |                                                                         |         |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------|
|                                                                            |                                                                                       |             | STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412                                                                                                                |                                                                         |         |
| 1-methoxy-2-propanol                                                       | REACH #:<br>01-2119457435-35<br>EC: 203-539-1<br>CAS: 107-98-2<br>Index: 603-064-00-3 | ≥10 - ≤15   | Flam. Liq. 3, H226<br>STOT SE 3, H336                                                                                                                                          | -                                                                       | [1] [2] |
| Propylidynetrimethanol,<br>propoxylated, reaction<br>products with ammonia | REACH #:<br>01-2119556886-20<br>EC: 500-105-6<br>CAS: 39423-51-3                      | ≥10 - ≤15   | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411                                                                                        | ATE [Oral] = 500 mg/<br>kg<br>ATE [Dermal] = 1100<br>mg/kg              | [1]     |
| benzyl alcohol                                                             | REACH #:<br>01-2119492630-38<br>EC: 202-859-9<br>CAS: 100-51-6<br>Index: 603-057-00-5 | ≥5.0 - ≤10  | Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                                                                                                                | ATE [Oral] = 1200 mg/<br>kg                                             | [1] [2] |
| o-xylene                                                                   | REACH #:<br>01-2119485822-30<br>EC: 202-422-2<br>CAS: 95-47-6<br>Index: 601-022-00-9  | ≥5.0 - ≤9.3 | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412 | ATE [Dermal] = 1100<br>mg/kg<br>ATE [Inhalation<br>(vapours)] = 11 mg/l | [1] [2] |
| 2-methylpropan-1-ol                                                        | REACH #:<br>01-2119484609-23<br>EC: 201-148-0<br>CAS: 78-83-1<br>Index: 603-108-00-1  | ≥1.0 - ≤4.3 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT SE 3, H336                                                                            | -                                                                       | [1] [2] |
| ethylbenzene                                                               | REACH #:<br>01-2119489370-35<br>EC: 202-849-4<br>CAS: 100-41-4<br>Index: 601-023-00-4 | ≥1.0 - ≤5.0 | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT RE 2, H373<br>(hearing organs)<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412                                                | ATE [Inhalation<br>(vapours)] = 17.8 mg/l                               | [1] [2] |
| m-phenylenebis<br>(methylamine)                                            | REACH #:<br>01-2119480150-50<br>EC: 216-032-5<br>CAS: 1477-55-0                       | ≥1.0 - ≤4.0 | Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412<br>EUH071                                | ATE [Oral] = 930 mg/<br>kg<br>ATE [Inhalation<br>(gases)] = 4500 ppm    | [1] [2] |
| 2,4,6-tris<br>(dimethylaminomethyl)<br>phenol                              | REACH #:<br>01-2119560597-27<br>EC: 202-013-9<br>CAS: 90-72-2                         | ≥1.0 - ≤3.4 | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>See Section 16 for<br>the full text of the H<br>statements declared<br>above.           | ATE [Oral] = 1200 mg/<br>kg<br>ATE [Dermal] = 1280<br>mg/kg             | [1]     |

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# **SECTION 3: Composition/information on ingredients**

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.

Туре

[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                | : 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<br>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained<br>personnel.                                                                                                                                                                                              |
| Skin contact               | <ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water<br/>or use recognised skin cleanser. Do NOT use solvents or thinners.</li> </ul>                                                                                                                                                                                                                          |
| 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

| Potential acute health effe | <u>ects</u>                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                   | : No known significant effects or critical hazards.                                                                                                                      |
| Over-exposure signs/sym     | ptoms                                                                                                                                                                    |
| Eye contact                 | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness                                                                                             |
| Inhalation                  | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing                                                                                |
| Skin contact                | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur                                            |
| Ingestion                   | : Adverse symptoms may include the following: stomach pains                                                                                                              |
| 4.3 Indication of any immed | diate medical attention and special treatment needed                                                                                                                     |
| Notes to physician          | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours. |

English (GB)

Senegal

4/16

| Code : 00000119188<br>SIGMAZINC 68 GP HARDEN      |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SECTION 4: First aid                              |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specific treatments                               | : No specific treatment.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SECTION 5: Firefigh</b>                        | ting measures                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5.1 Extinguishing media                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Suitable extinguishing media                      | : Use dry chemical, CO <sub>2</sub> , 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<br>a fire or if heated, a pressure increase will occur and the container may burst, with the<br>risk of a subsequent explosion. This material is harmful to aquatic life with long lasting<br>effects. Fire water contaminated with this material must be contained and prevented<br>from being discharged to any waterway, sewer or drain. |
| Hazardous combustion products                     | : Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides                                                                                                                                                                                                                                                                                                                                  |
| 5.3 Advice for firefighters                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Special precautions for<br>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<br>equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathin apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to Europea standard EN 469 will provide a basic level of protection for chemical incidents.                                                                            |

# **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, pro  | tective equipment and emergency procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For non-emergency<br>personnel | : No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Shut off all ignition sources. No<br>flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put<br>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 | <ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                        |

# **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<br>storage, including any<br>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/ingredient r                   | ame Expo                                                                                                                                                                                                                                                                                                                                                                                                                                         | sure limit values                                                                                                                                                                                                               |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| kýlene                                 | EU OEL (Europe, 1/2022) [x<br>through skin.<br>TWA 8 hours: 50 ppm.<br>TWA 8 hours: 221 mg/m <sup>3</sup> .<br>STEL 15 minutes: 100 ppm.<br>STEL 15 minutes: 442 mg/m                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                 |
| 1-methoxy-2-propanol                   | EU OEL (Europe, 1/2022) Al<br>TWA 8 hours: 100 ppm.<br>TWA 8 hours: 375 mg/m <sup>3</sup> .<br>STEL 15 minutes: 150 ppm.<br>STEL 15 minutes: 568 mg/m                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                 |
| benzyl alcohol                         | <b>IPEL (-)</b><br>TWA: 5 ppm.<br>STEL: 10 ppm.                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                 |
| o-xylene                               | <b>EU OEL (Europe, 1/2022)</b> AI<br>TWA 8 hours: 50 ppm.<br>TWA 8 hours: 221 mg/m <sup>3</sup> .<br>STEL 15 minutes: 100 ppm.<br>STEL 15 minutes: 442 mg/m                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                 |
| 2-methylpropan-1-ol                    | ACGIH TLV (United States,<br>TWA 8 hours: 50 ppm.<br>TWA 8 hours: 152 mg/m <sup>3</sup> .                                                                                                                                                                                                                                                                                                                                                        | 7/2023)                                                                                                                                                                                                                         |
| ethylbenzene                           | EU OEL (Europe, 1/2022) AI<br>TWA 8 hours: 100 ppm.<br>TWA 8 hours: 442 mg/m <sup>3</sup> .<br>STEL 15 minutes: 200 ppm.<br>STEL 15 minutes: 884 mg/m                                                                                                                                                                                                                                                                                            | 1 <sup>3</sup> .                                                                                                                                                                                                                |
| m-phenylenebis(methylamine)            | C: 0.018 ppm.                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7/2023) Absorbed through skin.                                                                                                                                                                                                  |
| viene                                  | <b>DOL BEI (South Africa, 3/20</b><br>BEI: 1.5 g/g creatinine, meth<br>end of shift.                                                                                                                                                                                                                                                                                                                                                             | <b>21) [xylenes]</b><br>nylhippuric acid [in urine]. Sampling time:                                                                                                                                                             |
| o-xylene                               | <b>DOL BEI (South Africa, 3/20</b><br>BEI: 1.5 g/g creatinine, meth<br>end of shift.                                                                                                                                                                                                                                                                                                                                                             | <b>121) [xylenes]</b><br>nylhippuric acid [in urine]. Sampling time:                                                                                                                                                            |
| ethylbenzene                           | <b>DOL BEI (South Africa, 3/20</b><br>BEI: 0.15 g/g creatinine, sur<br>acid [in urine]. Sampling time                                                                                                                                                                                                                                                                                                                                            | n of mandelic acid and phenylglyoxylic                                                                                                                                                                                          |
| Recommended monitoring :<br>procedures | Reference should be made to monitoring stand<br>Standard EN 689 (Workplace atmospheres - G<br>by inhalation to chemical agents for comparison<br>strategy) European Standard EN 14042 (Work<br>application and use of procedures for the asses<br>biological agents) European Standard EN 482<br>requirements for the performance of procedure<br>agents) Reference to national guidance docum<br>of hazardous substances will also be required. | uidance for the assessment of exposure<br>with limit values and measurement<br>place atmospheres - Guide for the<br>assent of exposure to chemical and<br>(Workplace atmospheres - General<br>s for the measurement of chemical |
|                                        | English (GB)                                                                                                                                                                                                                                                                                                                                                                                                                                     | Senegal 7/16                                                                                                                                                                                                                    |

| Conforms to Regulation (EC) 2020/878 | No  | . 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Code : 000001191884                  | 1   | Date of issue/Date of revision : 11 October 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SIGMAZINC 68 GP HARDENE              | ER  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8.2 Exposure controls                |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Appropriate engineering controls     | :   | Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Individual protection measu          | res |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hygiene measures                     | :   | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Contaminated work clothing should not be allowed out of the workplace. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Eye/face protection                  | 1   | Chemical splash goggles and face shield.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Skin protection                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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. |
| Gloves                               |     | nitrile neoprene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Body protection                      | :   | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Respiratory protection</b>        | 1   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Environmental exposure controls      | :   | Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process equipment<br>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 : Clear. Odour : Amine-like. [Strong] **Odour threshold** : Not available. Melting point/freezing point : Not determined.

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 000001191884 Date of issue/Date of revision : 11 October 2024 SIGMAZINC 68 GP HARDENER SECTION 9: Physical and chemical properties : >37.78°C Initial boiling point and boiling range Flammability : Not determined. There are no data available on the mixture itself. Upper/lower flammability or : Not available. explosive limits Closed cup: 33°C **Flash point** 2 **Auto-ignition temperature** ŝ Ingredient name °C °F Method 1-methoxy-2-propanol 270 518 **Decomposition temperature** : Stable under recommended storage and handling conditions (see Section 7). pH Not applicable. insoluble in water. з. Dynamic (room temperature): Not available. Viscosity 2 Kinematic (room temperature): Not available. Kinematic (40°C): >21 mm<sup>2</sup>/s 60 - 100 s (ISO 6mm) Viscosity ÷. Solubility(ies) ŝ Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure ż Vapour Pressure at 20°C Vapour pressure at 50°C Ingredient name mm Hg kPa Method kPa Method mm Hg <12.00102 <1.6 DIN EN 2-methylpropan-1-ol 13016-2 **Relative density** : 0.96 The product itself is not explosive, but the formation of an explosible mixture of **Explosive properties** vapour or dust with air is possible. : Product does not present an oxidizing hazard.

## Oxidising properties <u>Particle characteristics</u> 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<br>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.<br>Refer to protective measures listed in sections 7 and 8. |  |  |  |

| Conforms to Regulation 2020/878 | ו (EC) No. 1907/2006 (REA | CH), Annex II, as amended by Commissio                                         | n Regulation (EU) |  |  |
|---------------------------------|---------------------------|--------------------------------------------------------------------------------|-------------------|--|--|
| Code : 0000011                  | 91884                     | Date of issue/Date of revision                                                 | : 11 October 2024 |  |  |
| SIGMAZINC 68 GP HAR             | SIGMAZINC 68 GP HARDENER  |                                                                                |                   |  |  |
| SECTION 10: Sta                 | bility and reactivity     | у                                                                              |                   |  |  |
| 10.5 Incompatible mate          |                           | he following materials to prevent strong exot<br>strong alkalis, strong acids. | hermic reactions: |  |  |

| 10.6 Hazardous         | : Depending on conditions, decomposition products may include the following materials: |
|------------------------|----------------------------------------------------------------------------------------|
| decomposition products | carbon oxides nitrogen oxides                                                          |

# **SECTION 11: Toxicological information**

# **11.1 Information on toxicological effects**

# Acute toxicity

| Product/ingredient name                                              | Result                          | Species               | Dose                    | Exposure |
|----------------------------------------------------------------------|---------------------------------|-----------------------|-------------------------|----------|
| 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                | -        |
| Propylidynetrimethanol, propoxylated, reaction products with ammonia | LD50 Dermal                     | Rabbit                | 0.4 g/kg                | -        |
|                                                                      | LD50 Oral                       | Rat                   | 0.22 g/kg               | -        |
| benzyl alcohol                                                       | LC50 Inhalation Dusts and mists | Rat                   | >5 mg/l                 | 4 hours  |
|                                                                      | LD50 Dermal                     | Rabbit                | >2000 mg/kg             | -        |
|                                                                      | LD50 Oral                       | Rat                   | 1200 mg/kg              | -        |
| o-xylene                                                             | LC50 Inhalation Vapour          | Rat                   | 27124 mg/m <sup>3</sup> | 4 hours  |
|                                                                      | LD50 Dermal                     | Rabbit                | 12126 mg/kg             | -        |
|                                                                      | LD50 Oral                       | Rat                   | 3523 mg/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              | -        |
| 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                | -        |
| m-phenylenebis(methylamine)                                          | LC50 Inhalation Gas.            | Rat                   | 700 ppm                 | 1 hours  |
|                                                                      | LD50 Dermal                     | Rat - Male,<br>Female | >3100 mg/kg             | -        |
|                                                                      | LD50 Oral                       | Rat                   | 930 mg/kg               | -        |
| 2,4,6-tris(dimethylaminomethyl)phenol                                | LD50 Dermal                     | Rat                   | 1280 mg/kg              | -        |
|                                                                      | LD50 Oral                       | Rat                   | 1200 mg/kg              | -        |

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

## Irritation/Corrosion

| Product/ingredient name     | Result                   | Species | Score | Exposure        | Observation |
|-----------------------------|--------------------------|---------|-------|-----------------|-------------|
| xylene                      | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg | -           |
| m-phenylenebis(methylamine) | Skin - Severe irritant   | Rat     |       | 4 hours         | 4 hours     |

```
Conclusion/Summary
```

| Sł | (in |
|----|-----|
| Ey | es  |

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

Respiratory

: There are no data available on the mixture itself.

## **Sensitisation**

| Product/ingredient name     | Route of exposure | Species | Result      |
|-----------------------------|-------------------|---------|-------------|
| m-phenylenebis(methylamine) | skin              | Mouse   | Sensitising |

## **Conclusion/Summary**

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# **SECTION 11: Toxicological information**

| Skin                      | : There are no data available on the mixture itself. |  |
|---------------------------|------------------------------------------------------|--|
| Respiratory               | : There are no data available on the mixture itself. |  |
| Mutagenicity              |                                                      |  |
| <b>Conclusion/Summary</b> | : There are no data available on the mixture itself. |  |
| <b>Carcinogenicity</b>    |                                                      |  |
| <b>Conclusion/Summary</b> | : There are no data available on the mixture itself. |  |
| Reproductive toxicity     |                                                      |  |
| <b>Conclusion/Summary</b> | : There are no data available on the mixture itself. |  |
| <b>Teratogenicity</b>     |                                                      |  |
| 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                |
|-------------------------|------------|-------------------|------------------------------|
| xylene                  | Category 3 | -                 | Respiratory tract irritation |
| 1-methoxy-2-propanol    | Category 3 | -                 | Narcotic effects             |
| o-xylene                | Category 3 | -                 | Respiratory tract irritation |
| 2-methylpropan-1-ol     | Category 3 | -                 | Respiratory tract irritation |
|                         | Category 3 |                   | 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                                                                                             |
|------------------------------------|----------------------------------------------------------------------------------------------------|
| xylene<br>o-xylene<br>ethylbenzene | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |
| Information on likely              |                                                                                                    |

### Information on likely : Not available. routes of exposure

# Potential acute health effects

| Inhalation                 | 1  | May cause respiratory irritation.                                                                                           |
|----------------------------|----|-----------------------------------------------------------------------------------------------------------------------------|
| Ingestion                  | 1  | No known significant effects or critical hazards.                                                                           |
| Skin contact               | 1  | Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.                                            |
| Eye contact                | 1  | Causes serious eye damage.                                                                                                  |
| Symptoms related to the ph | ys | ical, chemical and toxicological characteristics                                                                            |
| Inhalation                 | :  | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing                                     |
| Ingestion                  | :  | Adverse symptoms may include the following:<br>stomach pains                                                                |
| Skin contact               | :  | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur |

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# **SECTION 11: Toxicological information**

| 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                                                                                                                                           |
| Short term exposure            |                                                                                                                                                                                                            |
| Potential immediate effects    | : Not available.                                                                                                                                                                                           |
| Potential delayed effects      | : Not available.                                                                                                                                                                                           |
| Long term exposure             |                                                                                                                                                                                                            |
| Potential immediate<br>effects | : Not available.                                                                                                                                                                                           |
| Potential delayed effects      | : Not available.                                                                                                                                                                                           |
| Potential chronic health effe  | <u>cts</u>                                                                                                                                                                                                 |
| Not available.                 |                                                                                                                                                                                                            |
| <b>Conclusion/Summary</b>      | : 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.                                                                                                                                                        |
| Reproductive toxicity          | : No known significant effects or critical hazards.                                                                                                                                                        |
| Other information              | : Not available.                                                                                                                                                                                           |

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             |
|---------------------------------------|----------------------------------------------|---------------------------------|----------------------|
| 1-methoxy-2-propanol                  | Acute LC50 23300 mg/l                        | Daphnia                         | 48 hours             |
|                                       | Acute LC50 >4500 mg/l<br>Fresh water         | Fish                            | 96 hours             |
| 2-methylpropan-1-ol                   | Acute EC50 1100 mg/l                         | Daphnia                         | 48 hours             |
| ethylbenzene                          | Acute EC50 1.8 mg/l Fresh water              | Daphnia                         | 48 hours             |
|                                       | Chronic NOEC 1 mg/l Fresh water              | Daphnia -<br>Ceriodaphnia dubia | -                    |
| 2,4,6-tris(dimethylaminomethyl)phenol | Acute LC50 >100 mg/l<br>Acute LC50 >100 mg/l | Daphnia<br>Fish                 | 48 hours<br>96 hours |

**Conclusion/Summary** 

: There are no data available on the mixture itself.

### 12.2 Persistence and degradability

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# **SECTION 12: Ecological information**

| Product/ingredient name     | Test                                         | Result                                                  | Dose | Inoculum |
|-----------------------------|----------------------------------------------|---------------------------------------------------------|------|----------|
| o-xylene                    | OECD 301F                                    | 94 % - Readily - 28 days                                | -    | -        |
| ethylbenzene<br>2,4,6-tris  | -<br>OECD 301D                               | 79 % - Readily - 10 days<br>4 % - Not readily - 28 days | -    | -        |
| (dimethylaminomethyl)phenol | Ready<br>Biodegradability -<br>Closed Bottle |                                                         |      |          |
| Conclusion/Summary          | Test                                         | a available on the mixture itself                       |      |          |

| Product/ingredient name               | Aquatic half-life | Photolysis | Biodegradability |
|---------------------------------------|-------------------|------------|------------------|
| xylene                                | -                 | -          | Readily          |
| benzyl alcohol                        | -                 | -          | Readily          |
| o-xylene                              | -                 | -          | Readily          |
| ethylbenzene                          | -                 | -          | Readily          |
| 2,4,6-tris(dimethylaminomethyl)phenol | -                 | -          | Not readily      |

## **12.3 Bioaccumulative potential**

| Product/ingredient name                                              | LogPow | BCF         | Potential |  |
|----------------------------------------------------------------------|--------|-------------|-----------|--|
| xylene                                                               | 3.12   | 7.4 to 18.5 | Low       |  |
| 1-methoxy-2-propanol                                                 | <1     | -           | Low       |  |
| Propylidynetrimethanol, propoxylated, reaction products with ammonia | -1.13  | -           | Low       |  |
| benzyl alcohol                                                       | 0.87   | -           | Low       |  |
| o-xylene                                                             | 3.12   | 14.13       | Low       |  |
| 2-methylpropan-1-ol                                                  | 1      | -           | Low       |  |
| ethylbenzene                                                         | 3.6    | 79.43       | Low       |  |
| m-phenylenebis(methylamine)                                          | 0.18   | 2.69        | Low       |  |
| 2,4,6-tris(dimethylaminomethyl)phenol                                | 0.219  | -           | 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**

Not available.

## 12.7 Other adverse effects

No known significant effects or critical hazards.

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# **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 | WC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| 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<br>Empty conta<br>residues ma<br>Do not cut, v | al and its container must be disposed of in a safe way. Care should be<br>handling emptied containers that have not been cleaned or rinsed out.<br>ainers or liners may retain some product residues. Vapour from product<br>by create a highly flammable or explosive atmosphere inside the container.<br>weld or grind used containers unless they have been cleaned thoroughly<br>void dispersal of spilt material and runoff and contact with soil, waterways,<br>sewers. |  |

# **SECTION 14: Transport information**

|                                    | ADR/RID                        | IMDG                           | ΙΑΤΑ                           |
|------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 14.1 UN number or ID<br>number     | UN3469                         | UN3469                         | UN3469                         |
| 14.2 UN proper<br>shipping name    | PAINT, FLAMMABLE,<br>CORROSIVE | PAINT, FLAMMABLE,<br>CORROSIVE | PAINT, FLAMMABLE,<br>CORROSIVE |
| 14.3 Transport<br>hazard class(es) | 3 (8)                          | 3 (8)                          | 3 (8)                          |
| 14.4 Packing group                 | 111                            |                                | III                            |
| 14.5 Environmental<br>hazards      | No.                            | No.                            | No.                            |
| Marine pollutant<br>substances     | Not applicable.                | Not applicable.                | Not applicable.                |

### **Additional information**

| ADR/RID     | : None identified. |
|-------------|--------------------|
| Tunnel code | : (D/E)            |
| IMDG        | : None identified. |
| ΙΑΤΑ        | : None identified. |

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# **SECTION 14: Transport information**

| 14.6 Special precautions for user | : | <b>Transport within user's premises:</b> 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 : Not applicable. according to IMO 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>

EU Regulation (EC) NO. 1907/2006 (REACH)

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.

Annex XVII - Restrictions : Not applicable.

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

Other national and international regulations.

**Explosive precursors** : Not applicable.

# Ozone depleting substances (1005/2009/EU)

Not listed.

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

|                            |                                        | English (GB)                                                                                                                                                                                                                                                  | Senegal | 15/16 |
|----------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
|                            | 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                                                                                                                                                                                                                       | Э.      |       |
|                            | H312                                   | Harmful in contact with skin.                                                                                                                                                                                                                                 | ,       |       |
|                            | H304                                   | May be fatal if swallowed and enters airway                                                                                                                                                                                                                   | VS.     |       |
|                            | H302                                   | Harmful if swallowed.                                                                                                                                                                                                                                         |         |       |
| statements                 | H226                                   | Flammable liquid and vapour.                                                                                                                                                                                                                                  |         |       |
| Full text of abbreviated H | : H225                                 | Highly flammable liquid and vapour.                                                                                                                                                                                                                           |         |       |
| acronyms                   | 1272/20<br>DNEL =<br>EUH sta<br>PNEC = | CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.<br>1272/2008]<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number |         | lo.   |
| Abbreviations and          |                                        | cute Toxicity Estimate                                                                                                                                                                                                                                        |         | _     |

| 2020/878 | Regulation (EC) NO. 19 | 07/2006 (REACH), Annex II, as amended by Commission | n Regulation (EU) |
|----------|------------------------|-----------------------------------------------------|-------------------|
| Codo     | • 000001101884         | Data of issue/Data of rovision                      | • 11 October 2024 |

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**SECTION 16: Other information** 

|                                           | H411 Toxic to aquatic                                                                                                                                                                                                                                  | age to organs through prolonged or repeated exposure.<br>life with long lasting effects.<br>atic life with long lasting effects.<br>e respiratory tract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full text of classifications<br>[CLP/GHS] | : Acute Tox. 4<br>Aquatic Chronic 2<br>Aquatic Chronic 3<br>Asp. Tox. 1<br>Eye Dam. 1<br>Eye Irrit. 2<br>Flam. Liq. 2<br>Flam. Liq. 3<br>Skin Corr. 1B<br>Skin Corr. 1C<br>Skin Irrit. 2<br>Skin Sens. 1<br>Skin Sens. 1<br>Skin Sens. 1B<br>STOT RE 2 | ACUTE TOXICITY - Category 4<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>ASPIRATION HAZARD - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 2<br>FLAMMABLE LIQUIDS - Category 3<br>SKIN CORROSION/IRRITATION - Category 1B<br>SKIN CORROSION/IRRITATION - Category 1C<br>SKIN SENSITISATION - Category 1<br>SKIN SENSITISATION - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY - REPEATED<br>EXPOSURE - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE<br>EXPOSURE - Category 3 |
| <u>History</u>                            |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Date of issue/ Date of revision           | : 11 October 2024                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Date of previous issue                    | : 8 June 2024                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Prepared by                               | : EHS                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Version                                   | : 1.01                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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