# SAFETY DATA SHEET

**United Arab Emirates** 

Date of issue/Date of revision

: 20 March 2024

Version

: 12.01

| SECTION 1: Identifi undertaking                            | cation of the substance/mixture and of the company/               |
|--|---|
| 1.1 Product identifier                                     |   |
| Product name   | : SIGMATHERM 230 BASE GREY  |
| Product code   | : 00273017  |
| Other means of identificat                                 | tion  |
| Not available.   |   |
| 1.2 Relevant identified uses                               | s of the substance or mixture and uses advised against            |
| Product use  | : Professional applications, Used by spraying.                    |
| Use of the substance/<br>mixture                           | : Coating.  |
| Uses advised against                                       | : Product is not intended, labelled or packaged for consumer use. |
| 1.3 Details of the supplier of                             | of the safety data sheet  |
| Sigma Paint Saudi Arabia Lt<br>PO Box 7509<br>Dammam 31472 | d.  |
| Saudi Arabia   |   |
| Tel: 00966 138 47 31 00                                    |   |
| Fax: 00966 138 47 17 34                                    |   |
| e-mail address of person responsible for this SDS          | : ndpic@sfda.gov.sa   |
| 1.4 Emergency telephone number                             | : 00966 138473100 extn 1001                                       |

## **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture **Product definition** : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 3, H412 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

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| SIGMATHERM 230 BASE GR  | EY   |
| SECTION 2: Hazards  | identification   |
| Hazard pictograms   |  |
| Signal word   | : Danger   |
| Hazard statements   | <ul> <li>Flammable liquid and vapour.<br/>Causes skin irritation.<br/>May cause an allergic skin reaction.<br/>Causes serious eye damage.<br/>May cause damage to organs through prolonged or repeated exposure.<br/>Harmful to aquatic life with long lasting effects.</li> </ul> |
| Precautionary statements  | 1 5 5  |
| Prevention  | : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breath vapour.  |
| Response  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  |
| Storage   | : Not applicable.  |
| Disposal  | <ul> <li>Dispose of contents and container in accordance with all local, regional, national and<br/>international regulations.</li> <li>P280, P210, P260, P305 + P351 + P338, P310, P501</li> </ul>  |
| Hazardous ingredients   | <ul> <li>Phenol, polymer with formaldehyde, glycidyl ether (MW&lt;=700)</li> <li>2-methylpropan-1-ol</li> <li>crystalline silica, respirable powder (&lt;10 microns)</li> <li>Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine</li> </ul>                    |
| Supplemental label elements   | : Contains epoxy constituents. May produce an allergic reaction.   |
| 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 requiren  | ients  |
| 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 $vPv$  |
| Other hazards which do not result in classification   | : Prolonged or repeated contact may dry skin and cause irritation.   |

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

3.2 Mixtures

: Mixture

| Product/ingredient name   | Identifiers   | %           | Classification   | Specific Conc.<br>Limits, M-factors<br>and ATEs                         | Туре    |
|---|---|-------------|--|---|---------|
| Phenol, polymer with<br>formaldehyde, glycidyl<br>ether (MW<=700)               | CAS: 28064-14-4   | ≥10 - <25   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   | -   | [1]     |
| xylene  | REACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7                       | ≥10 - ≤15   | 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] = 1700<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 - ≤4.6 | 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] |
| crystalline silica, respirable<br>powder (<10 microns)                          | EC: 238-878-4<br>CAS: 14808-60-7  | ≥1.0 - ≤5.0 | STOT RE 1, H372<br>(inhalation)  | -   | [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] |
| Octadecanoic acid,<br>12-hydroxy-, reaction<br>products with<br>ethylenediamine | REACH #:<br>01-2119979085-27<br>EC: 309-629-8<br>CAS: 100545-48-0                     | ≤0.30       | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412   | -   | [1]     |
|   |   |             | See Section 16 for<br>the full text of the H<br>statements declared<br>above.  |   |         |

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

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

This mixture contains  $\geq$  1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

SUB codes represent substances without registered CAS Numbers.

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### **SECTION 4: First aid measures**

| 4.1 Description of first aid m | neasures  |
|--------------------------------|---|
| Eye contact                    | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.   |
| Inhalation                     | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is<br>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained<br>personnel.  |
| Skin contact                   | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water<br>or use recognised skin cleanser. Do NOT use solvents or thinners.   |
| Ingestion                      | : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.  |
| Protection of first-aiders     | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

#### 4.2 Most important symptoms and effects, both acute and delayed

| Potential acute health eff                                 | <u>fects</u>  |  |
|--|---|--|
| Eye contact  | : Causes serious eye damage.  |  |
| Inhalation   | : No known significant effects or critical hazards.   |  |
| Skin contact   | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.   |  |
| Ingestion  | : No known significant effects or critical hazards.   |  |
| <u>Over-exposure signs/syr</u>                             | nptoms  |  |
| Eye contact  | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness  |  |
| Inhalation   | : No specific data.   |  |
| 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 imme                                 | ediate medical attention and special treatment needed   |  |
| Notes to physician   | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |  |
| Specific treatments  | : No specific treatment.  |  |
| SECTION 5: Firefig   | Ihting measures   |  |
| 5.1 Extinguishing media<br>Suitable extinguishing<br>media | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  |  |

Unsuitable extinguishing : Do not use water jet. media

#### 5.2 Special hazards arising from the substance or mixture

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### **SECTION 5: Firefighting measures**

| : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
|--|
| : Decomposition products may include the following materials:<br>carbon oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides   |
|  |
| : 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.   |
| : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.  |
|  |

## **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, 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.  |  |
| 6.2 Mothods and material for   | containment and cleaning up   |  |

| 6.3 Methods and material for contain | ment and cleaning up |
|--------------------------------------|----------------------|
|--------------------------------------|----------------------|

| Small spill                     | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
|---------------------------------|--|
| Large spill                     | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. |
| 6.4 Reference to other sections | : See Section 1 for emergency contact information.<br>See Section 8 for information on appropriate personal protective equipment.<br>See Section 13 for additional waste treatment information.  |

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### **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<br>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.

### **SECTION 8: Exposure controls/personal protection**

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

#### 8.1 Control parameters

#### **Occupational exposure limits**

| Product/ingredient name      | Exposure limit values  |  |
|------------------------------|--|--|
| <mark>∲</mark> arium sulfate | Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016).TWA: 10 mg/m³ 8 hours.Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).TWA: 10 mg/m³ 8 hours.ACGIH TLV (United States, 1/2023).Notes: The value is for total |  |
| xylene                       | dust containing no asbestos and < 1% crystalline silica.<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction<br>Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016). [xylene (o, m & p<br>isomers)]  |  |
| 1                            | English (GB) United Arab Emirates 6/16   |  |

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| SIGMATHERM 230 BASE GREY                           |  |
|  | STEL: 651 mg/m³ 15 minutes.STEL: 150 ppm 15 minutes.TWA: 434 mg/m³ 8 hours.TWA: 100 ppm 8 hours.Cabinet Decree (12) of 2006 Regarding Regulation ConcerningProtection of Air from Pollution (United Arab Emirates, 5/2006).[xylene (all isomers)]STEL: 150 ppm 15 minutes.TWA: 434 mg/m³ 8 hours.STEL: 651 mg/m³ 15 minutes.TWA: 100 ppm 8 hours.ACGIH TLV (United States, 1/2023). [p-xylene and mixturescontaining p-xylene] Ototoxicant.TWA: 20 ppm 8 hours.  |
| Talc , not containing asbestiform fibres           | <ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours.</li> <li>ACGIH TLV (United States, 1/2023).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> </ul>                                  |
| titanium dioxide                                   | Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016).<br>TWA: 10 mg/m <sup>3</sup> 8 hours.<br>Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).<br>TWA: 10 mg/m <sup>3</sup> 8 hours.<br>ACGIH TLV (United States, 1/2023).<br>TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale<br>particles   |
| Mica-group minerals                                | Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016).<br>TWA: 3 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of<br>the aerosol<br>Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).<br>TWA: 3 mg/m <sup>3</sup> 8 hours.<br>ACGIH TLV (United States, 1/2023). Notes: Respirable fraction;<br>see Appendix C, paragraph C.<br>TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction |
| 2-methylpropan-1-ol                                | <ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).<br/>TWA: 152 mg/m<sup>3</sup> 8 hours.<br/>TWA: 50 ppm 8 hours.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).<br/>TWA: 152 mg/m<sup>3</sup> 8 hours.<br/>TWA: 50 ppm 8 hours.</li> <li>ACGIH TLV (United States, 1/2023).<br/>TWA: 152 mg/m<sup>3</sup> 8 hours.<br/>TWA: 50 ppm 8 hours.</li> <li>TWA: 50 ppm 8 hours.</li> </ul>        |
| crystalline silica, respirable powder (>10 microns |  |
|  | English (GB) United Arab Emirates 7/16   |

| SIGMATHERM 230 BASE GREY       TWA: 10 mg/m <sup>2</sup> 8 hours. Form: inhalable particulate         Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 772016). [Quart zilica crystalline-a-quart and cristobalito]         TWA: 10 mg/m <sup>2</sup> 8 hours. Form: measured as respirable fraction of the aerosol         ACCIH TLV (United States, 1/2023). [Silica, crystalline] Notes:         Respirable fraction; see Appendix C, paragraph C.         TWA: 0.025 mg/m <sup>2</sup> 8 hours. Form: Respirable         Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Anours. Form: Respirable Emirates, 5/2006).         TWA: 3 mg/m <sup>3</sup> 8 hours. Form: inhalable particle         Winted Arab Emirates, 7/2016). [Silica (Inhalable particle)/ (respirable particulate)         Values (United Arab Emirates, 7/2016). [Silica (Inhalable particle)/ (respirable particulate)         TWA: 3 mg/m <sup>3</sup> 8 hours. Form: inseasured as respirable fraction of the aerosol         ACCIH TLV (United States, 1/2023). [Silica, crystalline] Notes:         Respirable fraction; see Appendix C, paragraph C.         TWA: 3 mg/m <sup>3</sup> 8 hours. Form: inseasured as respirable fraction of the aerosol         ACCIH TLV (United States, 1/2023). [Silica, crystalline] Notes:         Respirable fraction; see Appendix C, paragraph C.         TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol         ACCIH TLV (United States, 1/2023). [Silica, crystalline] Notes:         Respirable fraction; see Appendix C, paragr | 2020/878  |  |
|--|---|--|
| ethylbenzene       17WA: 10 mg/m 3 hours. Form: respirate particulate<br>Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2015), (puratz silica<br>crystalline-a-quartz and cristobalite)         crystalline silica, respirable powder (<10 microns)   |   | Date of issue/Date of revision : 20 March 2024   |
| attylenzene       TWA: 3 mg/m <sup>2</sup> 8 hours. Form: respirable particulate         Abu Dhabi - OSHAD - Occupational air quality threshold limit       values (United Arab Emirates, 72019). [quartz silica         crystalline silica, respirable powder (<10 micross)   | SIGMATHERM 230 BASE GREY  |  |
| Recommended monitoring<br>procedures       : Reference should be made to monitoring standards, such as the following: European<br>Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure<br>by inhalation to chemical agents for comparison with limit values and measurement<br>strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the<br>application and use of procedures for the assessment of exposure to chemical and<br>biological agents) European Standard EN 482 (Workplace atmospheres - General<br>requirements for the performance of procedures for the measurement of chemical<br>agents) Reference to national guidance documents for methods for the determination<br>of hazardous substances will also be required.         8.2 Exposure controls         Appropriate engineering<br>controls       : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or<br>other engineering controls to keep worker exposure to airborne contaminants below any<br>recommended or statutory limits. The engineering controls also need to keep gas,<br>vapour or dust concentrations below any lower explosive limits. Use explosion-proof<br>ventilation equipment.  | crystalline silica, respirable powder (<10 micr   | <ul> <li>TWA: 3 mg/m<sup>3</sup> 8 hours. Form: respirable particulate</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit</li> <li>values (United Arab Emirates, 7/2016). [quartz silica</li> <li>crystalline-a-quartz and cristobalite]</li> <li>TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol</li> <li>ACGIH TLV (United States, 1/2023). [Silica, crystalline] Notes:</li> <li>Respirable fraction; see Appendix C, paragraph C.</li> <li>TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</li> <li>Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>TWA: 0.1 mg/m<sup>3</sup> 8 hours. Form: respirable</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</li> <li>Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>TWA: 0.1 mg/m<sup>3</sup> 8 hours.</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit</li> <li>values (United Arab Emirates, 7/2016). [silica (inhalable particle)/ (respirable particulate)]</li> <li>TWA: 10 mg/m<sup>3</sup> 8 hours. Form: inhalable particulate</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit</li> <li>values (United Arab Emirates, 7/2016). [quartz silica</li> <li>crystalline-a-quartz and cristobalite]</li> <li>TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol</li> <li>ACGIH TLV (United States, 1/2023). [Silica, crystalline] Notes:</li> <li>Respirable fraction; see Appendix C, paragraph C.</li> <li>TWA: 0.025 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 125 ppm 15 minutes.</li> <li>STWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>STWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>STWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 126 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 434 mg/m</li></ul> |
| 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.  | procedures Standard EN<br>by inhalation<br>strategy) En<br>application a<br>biological ag<br>requirement<br>agents) Rei | N 689 (Workplace atmospheres - Guidance for the assessment of exposure<br>n to chemical agents for comparison with limit values and measurement<br>uropean Standard EN 14042 (Workplace atmospheres - Guide for the<br>and use of procedures for the assessment of exposure to chemical and<br>gents) European Standard EN 482 (Workplace atmospheres - General<br>ts for the performance of procedures for the measurement of chemical<br>ference to national guidance documents for methods for the determination  |
| English (GB) United Arab Emirates 8/16   | controls other engine<br>recommend<br>vapour or du  | eering controls to keep worker exposure to airborne contaminants below any<br>led or statutory limits. The engineering controls also need to keep gas,<br>ust concentrations below any lower explosive limits. Use explosion-proof   |
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|--|---|---|---|
| SIGMATHERM 230 BASE GI                 | REY   |   |   |
| Individual protection meas             |   |   |   |
| Hygiene measures                       | : Wa<br>eati<br>App<br>Cor<br>con   | sh hands, forearms and face thoroughly after handling che<br>ng, smoking and using the lavatory and at the end of the w<br>propriate techniques should be used to remove potentially o<br>ntaminated work clothing should not be allowed out of the w<br>taminated clothing before reusing. Ensure that eyewash so<br>wers are close to the workstation location.   | orking period.<br>ontaminated clothing.<br>/orkplace. Wash  |
| Eye/face protection<br>Skin protection | : Che   | emical splash goggles and face shield.  |   |
| Hand protection                        | wor<br>nec<br>duri<br>note<br>glov<br>prot<br>frec<br>(bre<br>Wh<br>(bre<br>The<br>prot | emical-resistant, impervious gloves complying with an appro-<br>n at all times when handling chemical products if a risk ass<br>essary. Considering the parameters specified by the glove<br>ng use that the gloves are still retaining their protective pro-<br>ed that the time to breakthrough for any glove material may<br>we manufacturers. In the case of mixtures, consisting of se<br>tection time of the gloves cannot be accurately estimated.<br>uently repeated contact may occur, a glove with a protection<br>eakthrough time greater than 480 minutes according to EN<br>eakthrough time greater than 30 minutes according to EN<br>auser must check that the final choice of type of glove sele-<br>duct is the most appropriate and takes into account the par<br>included in the user's risk assessment. | essment indicates this is<br>manufacturer, check<br>perties. It should be<br>be different for different<br>veral substances, the<br>When prolonged or<br>on class of 6<br>374) is recommended.<br>class of 2 or higher<br>74) is recommended.<br>cted for handling this |
| Gloves                                 | : buty  | <i>i</i> l rubber   |   |
| Body protection                        | : Per<br>per<br>han<br>stat<br>sho  | sonal protective equipment for the body should be selected<br>formed and the risks involved and should be approved by a<br>dling this product. When there is a risk of ignition from sta<br>ic protective clothing. For the greatest protection from stat<br>uld include anti-static overalls, boots and gloves. Refer to<br>9 for further information on material and design requirement   | specialist before<br>tic electricity, wear anti-<br>ic discharges, clothing<br>European Standard EN   |
| Other skin protection                  | bas   | ropriate footwear and any additional skin protection measu<br>ed on the task being performed and the risks involved and<br>cialist before handling this product.  |   |
| Respiratory protection                 | :   |   |   |
| Environmental exposure controls        | they<br>cas   | ssions from ventilation or work process equipment should<br>comply with the requirements of environmental protection<br>es, fume scrubbers, filters or engineering modifications to t<br>be necessary to reduce emissions to acceptable levels.   | legislation. In some  |

## **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

| <ul> <li>Not available.</li> <li>May start to solidify at the following temperature: -94.9°C (-138.8°F) This is based on data for the following ingredient: ethylbenzene. Weighted average: -95.77°C (-140.4°F)</li> <li>&gt;37.78°C</li> <li>Not available.</li> <li>Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol)</li> </ul> |
|---|
| <ul> <li>May start to solidify at the following temperature: -94.9°C (-138.8°F) This is based on data for the following ingredient: ethylbenzene. Weighted average: -95.77°C (-140.4°F)</li> <li>&gt;37.78°C</li> </ul>   |
| : May start to solidify at the following temperature: -94.9°C (-138.8°F) This is based<br>on data for the following ingredient: ethylbenzene. Weighted average: -95.77°C<br>(-140.4°F)  |
| : May start to solidify at the following temperature: -94.9°C (-138.8°F) This is based<br>on data for the following ingredient: ethylbenzene. Weighted average: -95.77°C  |
| Not available.  |
| : Not available.  |
| : Aromatic.   |
| : Various   |
| : Liquid.   |
|   |
|   |

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 00273017 Date of issue/Date of revision : 20 March 2024 SIGMATHERM 230 BASE GREY **SECTION 9: Physical and chemical properties Flash point** : Closed cup: 23°C **Auto-ignition temperature** ŝ Ingredient name °C °F Method 2-methylpropan-1-ol 415 779 : Stable under recommended storage and handling conditions (see Section 7). **Decomposition temperature** pH Not applicable. insoluble in water. з. Kinematic (room temperature): >400 mm<sup>2</sup>/s Viscosity 2 Kinematic (40°C): >21 mm<sup>2</sup>/s 60 - 100 s (ISO 6mm) **Viscosity** 2 Solubility(ies) ŝ Media Result

Partition coefficient: n-octanol/ : Not applicable.

Not soluble

### water

cold water

| Vapour pressure :        | : |   | Vapour Pressure at 20°C |          |                   | Vapour pressure at 50°C |            |             |
|--------------------------|---|---|-------------------------|----------|-------------------|-------------------------|------------|-------------|
|                          |   | Ingredient name                             | mm Hg                   | kPa      | Method            | mm<br>Hg                | kPa        | Method      |
|                          |   | 2-methylpropan-1-ol                         | <12.00102               | <1.6     | DIN EN<br>13016-2 |                         |            |             |
| Evaporation rate         | : | Highest known value<br>butyl acetate        | e: 0.84 (etł            | nylbenz  | ene) Weighteo     | d average               | e: 0.75co  | mpared with |
| Relative density         | : | 1.78  |                         |          |                   |                         |            |             |
| Vapour density           | : | Highest known value                         | e: 3.7 (Air             | = 1) (x  | ylene). Weigh     | ted avera               | age: 3.47  | (Air = 1)   |
| Explosive properties     | : | The product itself is vapour or dust with a |                         |          | the formation     | of an ex                | plosible n | nixture of  |
| Oxidising properties     | : | Product does not pro                        | esent an o              | xidizing | hazard.           |                         |            |             |
| Particle characteristics |   |   |                         |          |                   |                         |            |             |
| Median particle size     |   | Not applicable.                             |                         |          |                   |                         |            |             |

#### 9.2 Other information

No additional information.

### **SECTION 10: Stability and reactivity**

|  | English (GB) United Arab Emirates 10/16   |
|--|---|
| 10.6 Hazardous<br>decomposition products   | : Depending on conditions, decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides |
| 10.5 Incompatible materials                | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.                            |
| 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.               |
| 10.3 Possibility of<br>hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.   |
| 10.2 Chemical stability                    | : The product is stable.  |
| 10.1 Reactivity                            | : No specific test data related to reactivity available for this product or its ingredients.  |

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## **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    | -        |
| 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    | -        |
| Octadecanoic acid, 12-hydroxy-, reaction | LC50 Inhalation Dusts and | Rat     | 5.05 mg/l   | 4 hours  |
| products with ethylenediamine            | mists                     |         | Ŭ           |          |
|  | LD50 Oral                 | Rat     | >2000 mg/kg | -        |

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

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| <b>K</b> ylene          | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg | -           |

#### **Conclusion/Summary**

: 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**

Skin

Eyes

| Product/ingredient name  | Route of exposure | Species    | Result      |
|--|-------------------|------------|-------------|
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | skin              | Guinea pig | Sensitising |

| Conclusion/Summary            |  |
|-------------------------------|--|
| Skin                          | : There are no data available on the mixture itself. |
| Respiratory                   | : There are no data available on the mixture itself. |
| <u>Mutagenicity</u>           |  |
| <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. |
| Teratogenicity                |  |
| Conclusion/Summary            | : There are no data available on the mixture itself. |
| Specific target organ toxicit | <u>y (single exposure)</u>                           |

| Product/ingredient name | Category                               | Route of exposure | Target organs  |
|-------------------------|--|-------------------|--|
|                         | Category 3<br>Category 3<br>Category 3 | -                 | Respiratory tract irritation<br>Respiratory tract irritation<br>Narcotic effects |

Specific target organ toxicity (repeated exposure)

English (GB) United Arab Emirates

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|----------|------------------|--------------------------------|-----------------|
| SIGMATHE | RM 230 BASE GREY |                                |                 |

## **SECTION 11: Toxicological information**

| Product/ingredient name | Category   | Route of exposure | Target organs  |
|-------------------------|------------|-------------------|----------------|
| Quartz (SiO2)           | Category 1 | inhalation        | -              |
| ethylbenzene            | Category 2 | -                 | hearing organs |

#### Aspiration hazard

| Product/ii   | ngredient name   | Result   |
|--|--|--|
| xylene<br>ethylbenzene                               |  | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1   |
| Information on likely<br>routes of exposure          | : Not available.   |  |
| Potential acute health effect                        | <u>s</u>   |  |
| Inhalation   | : No known significant effects or cri  | tical hazards.   |
| Ingestion  | : No known significant effects or cri  | tical hazards.   |
| Skin contact   | : Causes skin irritation. Defatting to   | o the skin. May cause an allergic skin reaction.   |
| Eye contact  | : Causes serious eye damage.   |  |
| Symptoms related to the phy                          | ysical, chemical and toxicological   | characteristics  |
| Inhalation   | : No specific data.  |  |
| Ingestion  | : Adverse symptoms may include the stomach pains   | ne following:  |
| Skin contact   | : Adverse symptoms may include the<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur | ne following:  |
| Eye contact  | : Adverse symptoms may include the pain watering redness   | ne following:  |
| Delayed and immediate effe                           | cts as well as chronic effects from  | short and long-term exposure   |
| <u>Short term exposure</u>                           |  |  |
| Potential immediate<br>effects                       | : Not available.   |  |
| Potential delayed effects                            | : Not available.   |  |
| Long term exposure<br>Potential immediate<br>effects | : Not available.   |  |
| Potential delayed effects                            | Not available  |  |
| Potential chronic health effe                        |  |  |
| Not available.                                       |  |  |
|  |  |  |
| Conclusion/Summary                                   | : Not available.   | with prolonged or repeated evidence. Drolonged or  |
| General  | repeated contact can defat the sk  | bugh prolonged or repeated exposure. Prolonged or<br>in and lead to irritation, cracking and/or dermatitis.<br>reaction may occur when subsequently exposed to |
| Carcinogenicity                                      | : No known significant effects or cri  | tical hazards.   |
| Mutagenicity   | : No known significant effects or cri  | tical hazards.   |
| Reproductive toxicity                                | : No known significant effects or cri  | tical hazards.   |
|  | English (GB)   | United Arab Emirates 12/16   |

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SECTION 11: Toxicological information

### Other information

: Not available.

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. 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.

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#### 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 |
|--|---------------------------------|---|----------|
| ✓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       | Daphnia -                                     | -        |
|  | water                           | Ceriodaphnia dubia                            |          |
| Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine | Acute EC50 >100 mg/l            | Algae -<br>Pseudokirchneriella<br>subcapitata | 72 hours |
|  | Acute EC50 >10 mg/l             | Daphnia - Daphnia<br>magna                    | 48 hours |
|  | Acute LC50 >10 mg/l             | Fish - Oncorhynchus<br>mykiss                 | 96 hours |

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

#### 12.2 Persistence and degradability

| Product/ingredient name   | Test  | Result                   | Dose | Inoculum |
|---|---|--------------------------|------|----------|
| ethylbenzene  | -   | 79 % - Readily - 10 days | -    | -        |
| Octadecanoic acid,<br>12-hydroxy-, reaction<br>products with<br>ethylenediamine | 301D Ready<br>Biodegradability -<br>Closed Bottle<br>Test | 22 % - 28 days           | -    | -        |

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

| Product/ingredient name   | Aquatic half-life | Photolysis | Biodegradability               |
|---|-------------------|------------|--------------------------------|
| ₩ylene<br>ethylbenzene<br>Octadecanoic acid, 12-hydroxy-, reaction products<br>with ethylenediamine | -<br>-            | -<br>-     | Readily<br>Readily<br>Inherent |

#### **12.3 Bioaccumulative potential**

| Product/ingredient name   | LogPow                    | BCF                            | Potential                 |
|---|---------------------------|--------------------------------|---------------------------|
| ylene<br>2-methylpropan-1-ol<br>ethylbenzene<br>Octadecanoic acid, 12-hydroxy-, reaction products<br>with ethylenediamine | 3.12<br>1<br>3.6<br>>5.86 | 7.4 to 18.5<br>-<br>79.43<br>- | Low<br>Low<br>Low<br>High |

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### **SECTION 12: Ecological information**

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

#### 12.5 Results of PBT and vPvB assessment

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

drains and sewers.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

#### SECTION 13: Disposal considerations

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

#### 13.1 Waste treatment methods

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

#### European waste catalogue (EWC)

| Waste code          | Waste designation  |  |
|---------------------|--|--|
| 08 01 11*           | waste paint and varnish containing organic solvents or other hazardous substances  |  |
| Packaging           |  |  |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.   |  |
| Type of packaging   | European waste catalogue (EWC)   |  |
| Container           | 15 01 06 mixed packaging   |  |
| Special precautions | : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. |  |

Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways,

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## **SECTION 14: Transport information**

|                                    | ADR/RID         | IMDG            | ΙΑΤΑ            |
|------------------------------------|-----------------|-----------------|-----------------|
| 14.1 UN number or ID<br>number     | UN1263          | UN1263          | UN1263          |
| 14.2 UN proper<br>shipping name    | PAINT           | PAINT           | PAINT           |
| 14.3 Transport<br>hazard class(es) | 3               | 3               | 3               |
| 14.4 Packing group                 | Ш               | Ш               | Ш               |
| 14.5 Environmental<br>hazards      | No.             | No.             | No.             |
| Marine pollutant<br>substances     | Not applicable. | Not applicable. | Not applicable. |

#### **Additional information**

| ADR/RID                  | This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.   |
|--------------------------|--|
| Tunnel code              | : (D/E)  |
| IMDG                     | : This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.   |
| ΙΑΤΑ                     | : None identified.   |
| 14.6 Special pre<br>user | ecautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the |

| 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

event of an accident or spillage.

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.

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| SECTION 15: Regula                        | tory information   |
| 15.2 Chemical safety<br>assessment        | : No Chemical Safety Assessment has been carried out.  |
| SECTION 16: Other i                       | nformation   |
| Indicates information that I              | nas changed from previously issued version.  |
| Abbreviations and<br>acronyms             | <ul> <li>ATE = Acute Toxicity Estimate<br/>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.<br/>1272/2008]</li> <li>DNEL = Derived No Effect Level<br/>EUH statement = CLP-specific Hazard statement<br/>PNEC = Predicted No Effect Concentration<br/>RRN = REACH Registration Number</li> </ul>  |
| Full text of abbreviated H<br>statements  | <ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H226 Flammable liquid and vapour.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H322 Harmful if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H374 Harmful to aquatic life with long lasting effects.</li> </ul> |
| Full text of classifications<br>[CLP/GHS] | <ul> <li>Acute Tox. 4</li> <li>Aquatic Chronic 2</li> <li>Aquatic Chronic 3</li> <li>Asp. Tox. 1</li> <li>Eye Dam. 1</li> <li>Eye Irrit. 2</li> <li>Flam. Liq. 2</li> <li>Flam. Liq. 3</li> <li>Skin Sens. 1</li> <li>Stot RE 1</li> <li>Stot RE 1</li> <li>Stot RE 2</li> <li>Stot RE 2</li> <li>Stot RE 2</li> <li>Stot Ser 3</li> </ul>   |
| <u>History</u><br>Date of issue/ Date of  | : 20 March 2024  |
| revision                                  |  |
| Date of previous issue                    | : 9 January 2023   |
| Prepared by                               | : EHS  |
| Version                                   | : 12.01  |

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

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