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

SAFETY DATA SHEET

pPG

: 5.01

Europe

Date of issue/Date of revision :

undertaking

: 26 September 2024 Version

1.1 Product identifier Product name : SIGMASHIELD 880 BASE BASE Z **Product code** : 00319092 Other means of identification Not available. 1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Professional applications, Used by spraying. Use of the substance/ : Coating. mixture **Uses advised against** : Product is not intended, labelled or packaged for consumer use. 1.3 Details of the supplier of the safety data sheet PPG Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435 e-mail address of person : Product.Stewardship.EMEA@ppg.com responsible for this SDS 1.4 Emergency telephone number Supplier +31 20 4075210

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411 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.

English (US)

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
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| SIGMASH | IELD 880 BASE BASE Z | | |

SECTION 2: Hazards identification

See Section 11 for more detailed information on health effects and symptoms.

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2.2 Label elements Hazard pictograms

| Signal word | : Danger |
|---|---|
| Hazard statements | Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. Toxic to aquatic life with long lasting effects. |
| Precautionary statements | |
| Prevention | : Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. |
| Response | : Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Storage | : Not applicable. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | P280, P210, P273, P391, P305 + P351 + P338, P501 |
| Hazardous ingredients | Feaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) Phenol, methylstyrenated Epoxy Resin (700<mw<=1100)< li=""> 2-methylpropan-1-ol 2,3-epoxypropyl neodecanoate 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) </mw<=1100)<> |
| Supplemental label | : Not applicable. |
| elements | |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. |
| Special packaging requirem | nents |
| Containers to be fitted with child-resistant fastenings | : Not applicable. |
| Tactile warning of danger | : Not applicable. |

2.3 Other hazards

| | : 00319092 | Date of issue/Date of revision | : 26 September 2024 | | |
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| SIGMASHIELD 880 BASE BASE Z | | | | | |
| | | | | | |

SECTION 2: Hazards identification

| Product meets the criteria for PBT or vPvB | : This mixture contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2. |
|---|---|
| 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 | % by weight | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
| | REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6 Index: 603-074-00-8 | ≥25 - ≤50 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 | Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5% | [1] |
| xylene | REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 | ≥5.0 - ≤10 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l | [1] [2] |
| Phenol, methylstyrenated | REACH #: 01-2119555274-38 EC: 270-966-8 CAS: 68512-30-1 | ≥1.0 - ≤5.0 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412 | - | [1] [3] |
| Epoxy Resin (700 <mw <=1100)</mw | CAS: 25036-25-3 | ≥1.0 - ≤5.0 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 | - | [1] |
| 2-methylpropan-1-ol | REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 | ≥1.0 - ≤5.0 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336 | - | [1] [2] |
| 2,3-epoxypropyl neodecanoate | REACH #: 01-2119431597-33 EC: 247-979-2 CAS: 26761-45-5 | ≥1.0 - ≤5.0 | Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411 | - | [1] |
| 1,3-bis[12-hydroxy- octadecamide-N- methylene]-benzene | REACH #: 01-2119962189-26 CAS: 911674-82-3 Index: 616-198-00-2 | ≥1.0 - ≤5.0 | Skin Sens. 1, H317 Aquatic Chronic 4, H413 | - | [1] [2] |
| ethylbenzene | REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 | ≥1.0 - ≤5.0 | Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) | ATE [Inhalation (vapours)] = 17.8 mg/l | [1] [2] |
| English (US) | - | · | Europe | · | 3/19 |

 Code
 : 00319092
 Date of issue/Date of revision
 : 26 September 2024

SIGMASHIELD 880 BASE BASE Z

SECTION 3: Composition/information on ingredients

| | Index: 601-023-00-4 | | Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | | |
|--|--|-------|---|---|---------|
| N,N'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | REACH #: 01-2119978265-26 EC: 204-613-6 CAS: 123-26-2 | ≤0.30 | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 | - | [1] [2] |
| | | | See Section 16 for the full text of the H statements declared above. | | |

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

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

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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

| 4.1 Description of mist ald m | |
|-------------------------------|---|
| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| Skin contact | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. |
| Ingestion | If swallowed, seek medical advice immediately and show this 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 sympton | ns and effects, both acute and delayed |
| Potential acute health effect | <u>xts</u> |
| Eye contact | : Causes serious eye damage. |

: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation

| Code : 00319092 SIGMASHIELD 880 BASE BA | Date of issue/Date of revision : 26 September 2024 |
|--|---|
| SECTION 4: First aid | measures |
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Inhalation | : No specific data. |
| Skin contact | Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur |
| Ingestion | : Adverse symptoms may include the following: stomach pains |
| 4.3 Indication of any immedia | ate 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: Firefight | ting measures |
| 5.1 Extinguishing media | |
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet. |
| 5.2 Special hazards arising f | rom the substance or mixture |
| Hazards from the substance or mixture | : Flammable liquid and vapor. 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 toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous combustion products | : Decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides |
| 5.3 Advice for firefighters | |
| Special precautions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing |

equipment for 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.

Code: 00319092Date of issue/Date of revision: 26 September 2024SIGMASHIELD 880 BASE BASE Z

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|------|--|
| For emergency responders | : | If specialized 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 spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. |
| 6.3 Methods and materials fo | or c | ontainment 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 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 spilled product. |

| 6.4 Reference to other | : See Section 1 for emergency contact information. |
|------------------------|---|
| sections | See Section 8 for information on appropriate personal protective equipment. |
| sections | |
| | See Section 13 for additional waste treatment information. |

SECTION 7: Handling and storage

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

7.1 Precautions for safe handling

| h ti b c ti ti v a fi fi fi ti ti ti ti ti ti ti ti ti ti ti ti ti | 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 his product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to he environment. Use only with adequate ventilation. Wear appropriate respirator when rentilation is inadequate. Do not enter storage areas and confined spaces unless indequately ventilated. Keep in the original container or an approved alternative made rom a compatible material, kept tightly closed when not in use. Store and use away rom heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking pols. Take precautionary measures against electrostatic discharges. Empty containers etain product residue and can be hazardous. Do not reuse container. |
|---|---|
|---|---|

| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regula | ation (EU) |
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| Code <th::00319092< th=""> Date of issue/Date of revision : 26 September 2024 SIGMASHIELD 880 BASE BASE Z</th::00319092<> | | | | | | |
|---|--|--|--|--|--|--|
| SECTION 7: Handling and storage | | | | | | |
| Advice on general : Eating, drinking and smoking should be prohibited in areas where this material is | | | | | | |

| Auvice on general | · Lating, uninting and smoking should be prohibited in aleas where this material is | |
|----------------------|---|--|
| occupational hygiene | handled, stored and processed. Workers should wash hands and face before eating, | |
| | drinking and smoking. Remove contaminated clothing and protective equipment before | |
| | entering eating areas. See also Section 8 for additional information on hygiene | |
| | measures. | |
| | | |

7.2 Conditions for safe storage, including any incompatibilities
Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing 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 unlabeled 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 |
|--|--|
| x ylene | EU OEL (Europe, 1/2022). [xylene, mixed isomers] Absorbed |
| | through skin. |
| | STEL: 442 mg/m ³ 15 minutes. |
| | STEL: 100 ppm 15 minutes. |
| | TWA: 221 mg/m ³ 8 hours. |
| | TWA: 50 ppm 8 hours. |
| 2-methylpropan-1-ol | ACGIH TLV (United States, 7/2023). |
| | TWA: 152 mg/m ³ 8 hours. |
| | TWA: 50 ppm 8 hours. |
| 1,3-bis[12-hydroxy-octadecamide-N-methylene]- | ACGIH TLV (United States). |
| benzene | TWA: 3 mg/m ³ , (Respirable fraction) |
| ethylbenzene | EU OEL (Europe, 1/2022). Absorbed through skin. |
| | STEL: 884 mg/m ³ 15 minutes. |
| | STEL: 200 ppm 15 minutes. |
| | TWA: 442 mg/m ³ 8 hours. |
| | TWA: 100 ppm 8 hours. |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan- | ACGIH TLV (United States). |
| 1-amide) | TWA: 3 mg/m ³ Form: Respirable |
| | TWA: 10 mg/m ³ Form: Total dust |
| procedures Standard EN 689 by inhalation to o strategy) Europe application and u biological agents | d be made to monitoring standards, such as the following: European O (Workplace atmospheres - Guidance for the assessment of exposure themical agents for comparison with limit values and measurement ean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and O European Standard EN 482 (Workplace atmospheres - General the performance of procedures for the measurement of chemical |

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Code : 00319092

Date of issue/Date of revision

: 26 September 2024

SIGMASHIELD 880 BASE BASE Z

SECTION 8: Exposure controls/personal protection

agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|---|--------------|---|-------------------------------|--------------------------------------|----------------------|
| reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | DNEL | Long term Inhalation | 12.25 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 12.25 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 8.33 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 8.33 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 3.571 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Short term Dermal | 3.571 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Long term Oral | 0.75 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Short term Oral | 0.75 mg/kg bw/day | General population [Consumers] | Systemic |
| xylene | DNEL | Long term Oral | 5 mg/kg bw/day | General population | Systemic |
| - | DNEL | Long term Inhalation | 65.3 mg/m ³ | General population | |
| | DNEL | Long term Inhalation | 65.3 mg/m ³ | General population | |
| | DNEL | Long term Dermal | 125 mg/kg bw/day | General population | |
| | DNEL | Long term Dermal | 212 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 221 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 221 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 260 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 260 mg/m³ | General population | Systemic |
| | DNEL | Short term Inhalation | 442 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 442 mg/m ³ | Workers | Systemic |
| Phenol, methylstyrenated | DNEL | Long term Oral | 0.2 mg/kg bw/day | General population | |
| | DNEL | Long term Inhalation | 0.348 mg/m ³ | General population | |
| | DNEL | Long term Inhalation | 1.41 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 1.67 mg/kg bw/day | General population | |
| | DNEL | Long term Dermal | 3.5 mg/kg bw/day | Workers | Systemic |
| 2-methylpropan-1-ol | DNEL | Long term Inhalation | 55 mg/m ³ | General population | |
| | DNEL | Long term Inhalation | 310 mg/m ³ | Workers | Local |
| 2,3-epoxypropyl neodecanoate | DNEL | Long term Dermal | 2.5 mg/kg bw/day | General population | - |
| | DNEL | Long term Inhalation | 4 mg/m ³ | General population | |
| | DNEL | Long term Dermal | 4.2 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 5.88 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Oral | 2.5 mg/kg bw/day | General population | Systemic |
| ethylbenzene | DMEL | Long term Inhalation | 442 mg/m ³ | Workers | Local |
| | DMEL | Short term Inhalation | 884 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Oral | 1.6 mg/kg bw/day | General population | |
| | DNEL | Long term Inhalation | 15 mg/m ³ | General population | • |
| | DNEL | Long term Inhalation | 77 mg/m^3 | Workers | Systemic Systemic |
| | DNEL DNEL | Long term Dermal Short term Inhalation | 180 mg/kg bw/day 293 mg/m³ | Workers Workers | Systemic Local |
| | DINEL | | 295 mg/m | VUINEIS | LUCAI |

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Code : 00319092

Date of issue/Date of revision

: 26 September 2024

SIGMASHIELD 880 BASE BASE Z

SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Туре | Compartment Detail | Value | Method Detail |
|--|------|------------------------|-----------------|--------------------------|
| reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | - | Fresh water | 0.006 mg/l | Assessment Factors |
| | - | Marine water | 0.001 mg/l | Assessment Factors |
| | - | Sewage Treatment Plant | 10 mg/l | Assessment Factors |
| | - | Fresh water sediment | 0.996 mg/kg dwt | Equilibrium Partitioning |
| | - | Marine water sediment | 0.1 mg/kg dwt | Equilibrium Partitioning |
| xylene | - | Fresh water | 0.327 mg/l | - |
| | - | Marine water | 0.327 mg/l | - |
| | - | Sewage Treatment Plant | 6.58 mg/l | - |
| | - | Fresh water sediment | 12.46 mg/kg dwt | - |
| | - | Marine water sediment | 12.46 mg/kg dwt | - |
| | - | Soil | 2.31 mg/kg | - |
| 2-methylpropan-1-ol | - | Fresh water | 0.4 mg/l | Assessment Factors |
| | - | Marine water | 0.04 mg/l | Assessment Factors |
| | - | Sewage Treatment Plant | 10 mg/l | Assessment Factors |
| | - | Fresh water sediment | 1.56 mg/kg dwt | Equilibrium Partitioning |
| | - | Marine water sediment | 0.156 mg/kg dwt | - |
| | - | Soil | 0.076 mg/kg dwt | Equilibrium Partitioning |
| ethylbenzene | - | Fresh water | 0.1 mg/l | Assessment Factors |
| | - | Marine water | 0.01 mg/l | Assessment Factors |
| | - | Sewage Treatment Plant | 9.6 mg/l | Assessment Factors |
| | - | Fresh water sediment | 13.7 mg/kg dwt | Equilibrium Partitioning |
| | - | Marine water sediment | 1.37 mg/kg dwt | Equilibrium Partitioning |
| | - | Soil | 2.68 mg/kg dwt | Equilibrium Partitioning |
| | - | Secondary Poisoning | 20 mg/kg | - |

8.2 Exposure controls Appropriate engineering : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation controls 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, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Individual protection measures Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection : Chemical splash goggles and face shield. Use eye protection according to EN 166. Skin protection Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be 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 9/19 English (US) Europe

Code : 00319092 Date of issue/Date of revision : 26 September 2024 SIGMASHIELD 880 BASE BASE Z SECTION 8: Exposure controls/personal protection product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. **Gloves** : butyl rubber **Body protection** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. **Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapor (Type A) and particulate filter P3 Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

| <u>Appearance</u> | | | | |
|--|---|---------------------------------|-----------------|---|
| Physical state | : Liquid. | | | |
| Color | : Various | | | |
| Odor | : Characteristic. | | | |
| Odor threshold | : Not available. | | | |
| Melting point/freezing point | : May start to solidify at the data for the following in -72.5°C (-98.5°F) | | | (6.8°F) This is based on ted. Weighted average: |
| Initial boiling point and boiling range | : >37.78°C | | | |
| Flammability | : Not available. | | | |
| Upper/lower flammability or explosive limits | : Greatest known range: | Lower: 1.7% Upp | ber: 10.9% (2-i | methylpropan-1-ol) |
| Flash point | : Closed cup: 26°C | | | |
| Auto-ignition temperature | - : · · · · · · · · · · · · · · · · · · | | | |
| | Ingredient name | °C | °F | Method |
| | 2,3-epoxypropyl neodecanoa | ite 276 | 528.8 | |
| | | 270 | 520.0 | |
| Decomposition temperature | : Stable under recomme | | | litions (see Section 7). |
| Decomposition temperature pH | | nded storage and | | litions (see Section 7). |
| | : Stable under recomme | nded storage and e in water. | | litions (see Section 7). |

English (US)

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
|------------|--------------------|--------------------------------|---------------------|
| SIGMASHIEL | LD 880 BASE BASE Z | | |

SECTION 9: Physical and chemical properties

| Med | lia | Result |
|---------|--------------------------------|----------------|
| cold | water | Not soluble |
| Partiti | on coefficient: n-octanol/ : N | lot applicable |

licient ۱h water

Vapor pressure

| Vapor pressure | : | | | | | | | |
|----------------------------|---|--|------------------------|----------|-------------------|------------------------|------------|-------------|
| | | | Vapor Pressure at 20°C | | | Vapor pressure at 50°C | | |
| | | Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| | | 2-methylpropan-1-ol | <12.00102 | <1.6 | DIN EN 13016-2 | | | |
| Evaporation rate | : | Highest known valu butyl acetate | e: 0.84 (et | hylbenz | zene) Weighte | d averag | e: 0.74co | mpared with |
| Relative density | : | 1.2 | | | | | | |
| Vapor density | : | Highest known valu | e: 3.7 (Air | = 1) (x | xylene). Weigł | nted aver | age: 3.39 | 9 (Air = 1) |
| Explosive properties | : | The product itself is vapor or dust with a | • | | t the formation | ı of an ex | plosible r | nixture of |
| Oxidizing properties | : | Product does not pr | esent an c | xidizing | g hazard. | | | |
| Particle characteristics | | | | | | | | |
| Median particle size | : | Not applicable. | | | | | | |
| 9.2 Other information | | | | | | | | |
| No additional information. | | | | | | | | |

SECTION 10: Stability and reactivity

| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|--|---|
| 10.2 Chemical stability | : The product is stable. |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8. |
| 10.5 Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
| 10.6 Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides |

SECTION 11: Toxicological information

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

Code : 00319092

SIGMASHIELD 880 BASE BASE Z

Date of issue/Date of revision

: 26 September 2024

SECTION 11: Toxicological information

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---------------------------|---------|---------------|----------|
| reaction product: bisphenol-A- | LD50 Dermal | Rabbit | >2 g/kg | - |
| (epichlorhydrin); epoxy resin (number | | | | |
| average molecular weight ≤ 700) | | | | |
| c c , | LD50 Oral | Rat | >2 g/kg | - |
| xylene | LD50 Dermal | Rabbit | 1.7 g/kg | - |
| • | LD50 Oral | Rat | 4.3 g/kg | - |
| Phenol, methylstyrenated | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| Epoxy Resin (700 <mw<=1100)< td=""><td>LD50 Dermal</td><td>Rat</td><td>>2000 mg/kg</td><td>-</td></mw<=1100)<> | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| 2-methylpropan-1-ol | LC50 Inhalation Vapor | Rat | 24.6 mg/l | 4 hours |
| 51 1 | LD50 Dermal | Rabbit | 2460 mg/kg | - |
| | LD50 Oral | Rat | 2830 mg/kg | - |
| 2,3-epoxypropyl neodecanoate | LD50 Dermal | Rat | 3800 mg/kg | - |
| | LD50 Oral | Rat | 9.6 g/kg | - |
| 1,3-bis[12-hydroxy-octadecamide-N- | LC50 Inhalation Dusts and | Rat | >5.08 mg/l | 4 hours |
| methylene]-benzene | mists | | J | |
| ethylbenzene | LC50 Inhalation Vapor | Rat | 17.8 mg/l | 4 hours |
| , | LD50 Dermal | Rabbit | 17.8 g/kg | - |
| | LD50 Oral | Rat | 3.5 g/kg | - |
| N,N'-ethane-1,2-diylbis | LC50 Inhalation Dusts and | Rat | >5.11 mg/l | 4 hours |
| (12-hydroxyoctadecan-1-amide) | mists | | · · · · · · · | |
| (, , , , , , , , , , , , , , , , , , , | LD50 Dermal | Rat | >2000 mg/kg | _ |
| | LD50 Oral | Rat | >2000 mg/kg | _ |

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

Acute toxicity estimates

| Route | ATE value |
|---------------------|----------------|
| Dermal | 24493.75 mg/kg |
| Inhalation (vapors) | 142.65 mg/l |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|--------------------------|---------|-------|-----------------|-------------|
| reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | Eyes - Mild irritant | Rabbit | - | 100 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | - | - |
| | Skin - Moderate irritant | Rabbit | - | - | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 UI | - |
| | Skin - Severe irritant | Rabbit | - | 24 hours 2 mg | - |
| xylene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |

Conclusion/Summary

| There are no data available on the mixture itse | lf. |
|---|-----|
|---|-----|

Skin Eyes

: There are no data available on the mixture itself.

Respiratory

: There are no data available on the mixture itself.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|--|-------------------|---------|-------------|
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | skin | Mouse | Sensitizing |

Conclusion/Summary

| English (US) | Europe | 12/19 |
|--------------|--------|-------|
|--------------|--------|-------|

| Code : 00319092 SIGMASHIELD 880 BASE BASE Z | Date of issue/Date of revision | : 26 September 2024 | | | |
|--|--------------------------------|---------------------|--|--|--|
| 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 | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Carcinogenicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Reproductive toxicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Teratogenicity | |
| Conclusion/Summary | : There are no data available on the mixture itself. |
| Specific torget orgen toxi | ty (cingle expective) |

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------------|--|-------------------|--|
| xylene 2-methylpropan-1-ol | Category 3 Category 3 Category 3 | - | Respiratory tract irritation Respiratory tract irritation 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 | ASPIRATION HAZARD - Category 1 |
| ethylbenzene | ASPIRATION HAZARD - Category 1 |

Information on the likely : Not available.

| routes of exposure | |
|--------------------|--|
|--------------------|--|

Potential acute health effects Inhalation : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards. Skin contact : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. Eye contact : Causes serious eye damage. Symptoms related to the physical, chemical and toxicological characteristics Inhalation : No specific data. Ingestion : Adverse symptoms may include the following: stomach pains **Skin contact** : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain watering redness Delayed and immediate effects and also chronic effects from short and long term exposure English (US) 13/19 Europe

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
|------------|--------------------|--------------------------------|---------------------|
| SIGMASHIEI | LD 880 BASE BASE Z | | |

SECTION 11: Toxicological information

| <u>Short term exposure</u> | | |
|-------------------------------|-----|--|
| Potential immediate effects | : | Not available. |
| Potential delayed effects | 1 | Not available. |
| Long term exposure | | |
| Potential immediate effects | : | Not available. |
| Potential delayed effects | : | Not available. |
| Potential chronic health effe | ect | <u>s</u> |
| Not available. | | |
| Conclusion/Summary | : | Not available. |
| General | : | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity | 1 | No known significant effects or critical hazards. |
| Mutagenicity | 1 | Suspected of causing genetic defects. |
| Reproductive toxicity | 1 | No known significant effects or critical hazards. |
| Other information | 1 | 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 vapor/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 |
|--|---------------------------------|---|----------|
| eaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | Chronic NOEC 0.3 mg/l | Daphnia | 21 days |
| 2-methylpropan-1-ol | Acute EC50 1100 mg/l | Daphnia | 48 hours |
| 2,3-epoxypropyl neodecanoate | Acute EC50 3.5 mg/l | Algae | 96 hours |
| | Acute EC50 4.8 mg/l | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 9.6 mg/l | Fish - Oncorhynchus mykiss | 96 hours |
| 1,3-bis[12-hydroxy-octadecamide-N-methylene]- benzene | Acute LC50 >100 mg/l | Fish | 96 hours |
| ethylbenzene | Acute EC50 1.8 mg/l Fresh water | Daphnia | 48 hours |
| | Chronic NOEC 1 mg/l Fresh water | Daphnia - Ceriodaphnia dubia | - |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan- 1-amide) | Acute EC50 29 to 43 mg/l | Algae - Pseudokirchneriella subcapitata | 72 hours |
| English (US) | Europe | | 14/19 |

| Code : 00319092 SIGMASHIELD 880 BASE BASE Z | Date of issue/Date of revision | : 26 September 2024 |
|--|--------------------------------|---------------------|
| SECTION 12: Ecological informa | ation | |

SECTION 12: Ecological information

| Acute EC50 94 mg/l Daphnia - Daphnia 48 hours magna | |
|---|--|
|---|--|

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

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|---|---------------------|---|------|----------|
| Feaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ethylbenzene N,N'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | OECD 301F - - | 5 % - 28 days 79 % - Readily - 10 days 63 % - 28 days | - | - |

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

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------------|
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | - | - | Not readily |
| xylene | - | - | Readily |
| 2,3-epoxypropyl neodecanoate ethylbenzene | - | - | Not readily Readily |
| N,Ň'-ethane-1,2-diylbis(12-hydroxyoctadecan- 1-amide) | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---|--------------|-------------|-----------|
| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | 2.64 to 3.78 | 31 | Low |
| xylene | 3.12 | 7.4 to 18.5 | Low |
| Phenol, methylstyrenated | 3.627 | - | Low |
| 2-methylpropan-1-ol | 1 | - | Low |
| 2,3-epoxypropyl neodecanoate | 4.4 | - | High |
| ethylbenzene | 3.6 | 79.43 | Low |
| N,Ň'-ethane-1,2-diylbis(12-hydroxyoctadecan- 1-amide) | >6 | - | High |

12.4 Mobility in soil

| Soil/water partition coefficient (K _{oc}) | : Not available. |
|---|------------------|
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
|-----------|--------------------|--------------------------------|---------------------|
| SIGMASHIE | LD 880 BASE BASE Z | | |

SECTION 12: Ecological information

| | 1 | | | | | | |
|---|-----|-----|-----|-----|---------------------|-----------|-----------|
| Product/ingredient name | PBT | Р | В | т | vPvB | vP | vB |
| reaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) | No | N/A | No | No | No | N/A | No |
| xylene | No | N/A | No | No | No | N/A | No |
| Phenol, methylstyrenated | No | N/A | N/A | No | SVHC (Candidate) | Specified | Specified |
| Epoxy Resin (700 <mw <=1100)</mw | No | N/A | N/A | No | Ň/A | N/A | N/A |
| 2-methylpropan-1-ol | No | N/A | N/A | No | N/A | N/A | N/A |
| 2,3-epoxypropyl neodecanoate | No | N/A | N/A | No | N/A | N/A | N/A |
| 1,3-bis[12-hydroxy- octadecamide-N-methylene]- benzene | No | N/A | N/A | No | N/A | N/A | N/A |
| ethylbenzene | No | N/A | No | Yes | No | N/A | No |
| N,Ň'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | No | N/A | N/A | No | N/A | N/A | N/A |

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

Methods of disposal

: The generation of waste should be avoided or minimized 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

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 minimized 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) |

| Type of packaging | European waste catalogue (EWC) | |
|-------------------|--------------------------------|-----------------|
| Container | 15 01 06 | mixed packaging |

| | English (U | S) Europe | 16/19 |
|--|------------|-----------|-------|
|--|------------|-----------|-------|

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

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
|------|------------|--------------------------------|---------------------|
|------|------------|--------------------------------|---------------------|

SIGMASHIELD 880 BASE BASE Z

SECTION 13: Disposal considerations

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. Vapor 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|------------------------------------|-----------------|-----------------|--|---|
| 14.1 UN number or ID number | UN1263 | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 | 3 |
| 14.4 Packing group | III | 111 | III | III |
| 14.5 Environmental hazards | Yes. | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances | Not applicable. | Not applicable. | (reaction product: bisphenol-A- (epichlorohydrin); epoxy resin) | Not applicable. |

Additional information

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

| Code | : 00319092 | Date of issue/Date of revision | : 26 September 2024 |
|------|------------|--------------------------------|---------------------|
| | | | |

SIGMASHIELD 880 BASE BASE Z

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

| Intrinsic property | Ingredient name | Reference number | Date of revision |
|--------------------|---|-------------------------|------------------|
| | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | D(2023) 8585-DC | 1/23/2024 |

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain

dangerous substances.

mixtures and articles

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

| Category | |
|----------|--|
| P5c | |
| E2 | |

15.2 Chemical Safety Assessment

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate

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

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

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

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

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Full text of abbreviated H statements

| Code : 00319092 SIGMASHIELD 880 BASE BASE Z | Date of issue/Date of revision : 26 September 2024 |
|--|--|
| SECTION 16: Other info | rmation |
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H341 | Suspected of causing genetic defects. |
| H373 | May cause damage to organs through prolonged or repeated |
| | exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| Full text of classifications [CLP/0 | |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Chronic 2 | AQUATIC HAZARD (LONG-TERM) - Category 2 |
| Aquatic Chronic 2 | AQUATIC HAZARD (LONG-TERM) - Category 3 |
| Aquatic Chronic 3 | AQUATIC HAZARD (LONG-TERM) - Category 3 |
| | ACOATIC HAZARD (LONG-TERM) - Category 4 |
| Asp. Tox. 1 | |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 |
| Flam. Liq. 3 | |
| Muta. 2 | GERM CELL MUTAGENICITY - Category 2 |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITIZATION - Category 1 |
| Skin Sens. 1B | SKIN SENSITIZATION - Category 1B |
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) |
| | Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - |
| | Category 3 |
| History | |
| - | 26 September 2024 |
| revision | |
| | 20. A |
| Date of previous issue : 2 | 22 August 2024 |

| Date of previous issue | : | 22 August 2024 |
|------------------------|---|----------------|
| Prepared by | : | EHS |
| Version | : | 5.01 |

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