

# SAFETY DATA SHEET



1060-1080 High Build Metal Primer

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

### 1.1 Product identifier

**Product name** : 1060-1080 High Build Metal Primer  
**Product description** : Paint  
**Product type** : Liquid.  
**UFI** : 7DK0-F07Y-Y009-DASN  
**Product code** : ROI0007

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| Identified uses            |   |
|----------------------------|---|
| Industrial<br>Professional |   |
| Uses advised against       | Reason                                    |
| Consumer                   | Product is not intended for consumer use. |

### 1.3 Details of the supplier of the safety data sheet

RUST-OLEUM EUROPE  
Martin Mathys NV, Kolenbergstraat 23, B-3545 Zelem, Belgium  
Telephone no.: +32 (0) 13 460 200  
Fax no.: +32 (0) 13 460 201

Tor Coatings Limited  
Unit 21, White Rose Way, Follingsby Park, Gateshead, Tyne & Wear, NE10 8YX United Kingdom  
Telephone no.: +44 (0) 191 4106611  
Fax no.: +44 (0) 191 4920125  
enquiries@tor-coatings.com

**e-mail address of person responsible for this SDS** : rpmeurohas@rustoleum.eu

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

#### Supplier

Telephone number United Kingdom: : +44 870 8200418 / +44 2038073798  
Great Britain  
Hours of operation : 24 / 7

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to UK CLP/GHS

Flam. Liq. 3, H226  
STOT SE 3, H336  
Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.  
See Section 16 for the full text of the H statements declared above.

## SECTION 2: Hazards identification

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

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** :

Warning

**Hazard statements** :

H226 - Flammable liquid and vapour.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

**Precautionary statements**

**General** :

Not applicable.

**Prevention** :

P280 - Wear protective gloves.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.

**Response** :

P391 - Collect spillage.  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

**Storage** :

P403 + P235 - Store in a well-ventilated place. Keep cool.

**Disposal** :

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazardous ingredients** :

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics

**Supplemental label elements** :

EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH208 - Contains phthalic anhydride. May produce an allergic reaction.

**Supplemental label elements : Detergents - Regulation (EC) No 907/2006** :

Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :

Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** :

Not applicable.

**Tactile warning of danger** :

Not applicable.

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** :

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

**Product meets the criteria for endocrine disrupting properties according to Regulation (EC) No. 1907/2006.** :

Not applicable

**Other hazards which do not result in classification** :

None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

: Mixture

| Product/ingredient name  | Identifiers   | %         | Classification   | Type    |
|--|---|-----------|--|---------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics  | REACH #:<br>01-2119463258-33<br>EC: 919-857-5   | ≥10 - ≤25 | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>EUH066   | [1] [2] |
| trizinc bis(orthophosphate)                                    | REACH #:<br>01-2119485044-40<br>EC: 231-944-3<br>CAS: 7779-90-0<br>Index: 030-011-00-6  | ≤5        | Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1)   | [1]     |
| Naphtha (petroleum), hydrotreated heavy                        | REACH #:<br>01-2119463258-33<br>EC: 265-150-3<br>CAS: 64742-48-9<br>Index: 649-327-00-6 | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Asp. Tox. 1, H304   | [1]     |
| zinc oxide   | REACH #:<br>01-2119463881-32<br>EC: 215-222-5<br>CAS: 1314-13-2<br>Index: 030-013-00-7  | ≤3        | Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1)   | [1]     |
| hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics | REACH #:<br>01-2119457273-39<br>CAS: 64742-48-9   | ≤3        | Asp. Tox. 1, H304<br>EUH066  | [1]     |
| 2-ethylhexanoic acid, manganese salt                           | EC: 240-085-3<br>CAS: 15956-58-8  | <0,3      | Eye Irrit. 2, H319<br>Repr. 1B, H360D<br>STOT RE 2, H373<br>Aquatic Chronic 3,<br>H412   | [1] [2] |
| phthalic anhydride   | REACH #:<br>01-2119457017-41<br>EC: 201-607-5<br>CAS: 85-44-9<br>Index: 607-009-00-4    | ≤0,3      | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | [1] [2] |

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

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

**SECTION 4: First aid measures****4.1 Description of first aid measures****Eye contact**

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation**

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

**SECTION 4: First aid measures**

- waistband.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- 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.

**4.2 Most important symptoms and effects, both acute and delayed****Over-exposure signs/symptoms**

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking
- Ingestion** : No specific data.

**4.3 Indication of any immediate 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: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

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

- Hazards from the substance or mixture** : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. 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.

## SECTION 5: Firefighting measures

**Hazardous combustion products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 sulfur oxides  
 phosphorus oxides  
 metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** : No unusual hazard if involved in a fire.

## 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 spill material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 35°C (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.

#### Seveso Directive - Reporting thresholds

##### Danger criteria

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| P5c      | 5000 tonnes                     | 50000 tonnes            |
| E2       | 200 tonnes                      | 500 tonnes              |

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name                                       | Exposure limit values   |
|---|---|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | <b>Recommended by manufacturer (GB, 2009) [hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, &lt; 2% aromatics]</b><br>TWA 8 hours: 1200 mg/m <sup>3</sup> (as hydrocarbon mixture (A) (197 ppm)). Form: Vapour.                                   |
| 2-ethylhexanoic acid, manganese salt                          | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020) [manganese and its inorganic compounds]</b><br>TWA 8 hours: 0,2 mg/m <sup>3</sup> (as Mn). Form: Inhalable fraction.<br>TWA 8 hours: 0,05 mg/m <sup>3</sup> (as Mn). Form: Respirable fraction. |
| phthalic anhydride  | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020) Inhalation sensitiser.</b><br>STEL 15 minutes: 12 mg/m <sup>3</sup> .   |

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TWA 8 hours: 4 mg/m<sup>3</sup>.

### Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name                                       | Result  | Value                    | Effects                     |
|---|---|--------------------------|-----------------------------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | <b>DNEL - Workers - Long term - Dermal</b>                            | 280 mg/kg                | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - Workers - Short term - Inhalation</b>                       | 871 mg/m <sup>3</sup>    | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Oral</b>       | 125 mg/kg bw/day         | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Inhalation</b> | 185 mg/m <sup>3</sup>    | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Dermal</b>     | 125 mg/kg                | <u>Effects:</u><br>Systemic |
| trizinc bis(orthophosphate)                                   | <b>DNEL - Workers - Long term - Inhalation</b>                        | 5 mg/m <sup>3</sup>      | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Inhalation</b> | 2,5 mg/m <sup>3</sup>    | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - Workers - Long term - Dermal</b>                            | 83 mg/kg bw/day          | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Dermal</b>     | 83 mg/kg bw/day          | <u>Effects:</u><br>Systemic |
| Naphtha (petroleum), hydrotreated heavy                       | <b>DNEL - General population - Consumers - Long term - Oral</b>       | 0,83 mg/kg bw/day        | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Long term - Inhalation</b>             | 0,41 mg/m <sup>3</sup>   | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - Workers - Long term - Inhalation</b>                        | 1,9 mg/m <sup>3</sup>    | <u>Effects:</u><br>Systemic |
|   | <b>DNEL - General population - Long term - Inhalation</b>             | 178,57 mg/m <sup>3</sup> | <u>Effects:</u> Local       |
|   | <b>DNEL - General population - Short term - Inhalation</b>            | 640 mg/m <sup>3</sup>    | <u>Effects:</u> Local       |
|   | <b>DNEL - Workers - Long term -</b>                                   | 837,5 mg/m <sup>3</sup>  | <u>Effects:</u> Local       |

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

|   |   |  |                          |
|---|---|--|--------------------------|
| zinc oxide  | <b>Inhalation</b>   |  |                          |
|   | <b>DNEL - Workers - Short term - Inhalation</b>                       | 1066,67 mg/m <sup>3</sup>                  | <u>Effects:</u> Local    |
|   | <b>DNEL - General population - Short term - Inhalation</b>            | 1152 mg/m <sup>3</sup>                     | <u>Effects:</u> Systemic |
|   | <b>DNEL - Workers - Short term - Inhalation</b>                       | 1286,4 mg/m <sup>3</sup>                   | <u>Effects:</u> Systemic |
|   | <b>DNEL - Workers - Long term - Inhalation</b>                        | 5 mg/m <sup>3</sup>                        | <u>Effects:</u> Systemic |
|   | <b>DNEL - General population - Consumers - Long term - Inhalation</b> | 2,5 mg/m <sup>3</sup>                      | <u>Effects:</u> Systemic |
|   | hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics        | <b>DNEL - Workers - Long term - Dermal</b> | 83 mg/kg bw/day          |
| <b>DNEL - General population - Consumers - Long term - Dermal</b> |   | 83 mg/kg bw/day                            | <u>Effects:</u> Systemic |
| <b>DNEL - General population - Consumers - Long term - Oral</b>   |   | 0,83 mg/kg bw/day                          | <u>Effects:</u> Systemic |
| <b>DNEL - Workers - Long term - Dermal</b>                        |   | 208 mg/kg bw/day                           | <u>Effects:</u> Systemic |
| <b>DNEL - General population - Long term - Dermal</b>             |   | 125 mg/kg bw/day                           | <u>Effects:</u> Systemic |
| <b>DNEL - General population - Long term - Inhalation</b>         |   | 185 mg/m <sup>3</sup>                      | <u>Effects:</u> Systemic |
| <b>DNEL - General population - Long term - Oral</b>               |   | 125 mg/m <sup>3</sup>                      | <u>Effects:</u> Systemic |
| 2-ethylhexanoic acid, manganese salt                              | <b>DNEL - Workers - Long term - Inhalation</b>                        | 871 mg/m <sup>3</sup>                      | <u>Effects:</u> Systemic |
|   | <b>DNEL - General population - Long term - Inhalation</b>             | 0,024 mg/m <sup>3</sup>                    | <u>Effects:</u> Local    |
|   | <b>DNEL - General population - Long term - Inhalation</b>             | 0,024 mg/m <sup>3</sup>                    | <u>Effects:</u> Systemic |
|   | <b>DNEL - General population - Long term - Oral</b>                   | 0,167 mg/kg bw/day                         | <u>Effects:</u> Systemic |
|   | <b>DNEL - General population - Long term - Dermal</b>                 | 0,167 mg/kg bw/day                         | <u>Effects:</u> Systemic |
|   | <b>DNEL - Workers - Long term - Dermal</b>                            | 0,333 mg/kg bw/day                         | <u>Effects:</u> Systemic |
|   | <b>DNEL - Workers - Long term - Inhalation</b>                        | 0,83 mg/m <sup>3</sup>                     | <u>Effects:</u> Local    |
| phthalic anhydride  | <b>DNEL - Workers - Long term - Inhalation</b>                        | 0,83 mg/m <sup>3</sup>                     | <u>Effects:</u> Systemic |
|   | <b>DNEL - General population -</b>                                    | 5 mg/kg bw/day                             | <u>Effects:</u>          |

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|  |   |                        |                             |
|--|---|------------------------|-----------------------------|
|  | <b>Long term - Oral</b>                                   |                        | Systemic                    |
|  | <b>DNEL - General population - Long term - Dermal</b>     | 5 mg/kg bw/day         | <u>Effects:</u><br>Systemic |
|  | <b>DNEL - General population - Long term - Inhalation</b> | 8,7 mg/m <sup>3</sup>  | <u>Effects:</u><br>Systemic |
|  | <b>DNEL - Workers - Long term - Dermal</b>                | 14 mg/kg bw/day        | <u>Effects:</u><br>Systemic |
|  | <b>DNEL - General population - Short term - Oral</b>      | 25 mg/kg bw/day        | <u>Effects:</u><br>Systemic |
|  | <b>DNEL - Workers - Long term - Inhalation</b>            | 49,4 mg/m <sup>3</sup> | <u>Effects:</u><br>Systemic |

### PNECs

| <b>Product/ingredient name</b> | <b>Result</b>                 | <b>Value</b>   | <b>Remarks</b> |
|--------------------------------|-------------------------------|----------------|----------------|
| trizinc bis(orthophosphate)    | <b>Fresh water</b>            | 48,1 µg/l      | -              |
|                                | <b>Marine</b>                 | 14,2 µg/l      | -              |
|                                | <b>Fresh water sediment</b>   | 550,2 mg/kg    | -              |
|                                | <b>Marine water sediment</b>  | 263,9 mg/kg    | -              |
|                                | <b>Soil</b>                   | 249,4 mg/kg    | -              |
|                                | <b>Sewage Treatment Plant</b> | 121,4 µg/l     | -              |
| zinc oxide                     | <b>Fresh water</b>            | 25,6 µg/l      | -              |
|                                | <b>Marine</b>                 | 7,6 µg/l       | -              |
|                                | <b>Sewage Treatment Plant</b> | 64,7 µg/l      | -              |
|                                | <b>Fresh water sediment</b>   | 146 mg/kg dwt  | -              |
|                                | <b>Marine water sediment</b>  | 70,3 mg/kg dwt | -              |
|                                | <b>Soil</b>                   | 44,3 mg/kg dwt | -              |
| phthalic anhydride             | <b>Fresh water</b>            | 20,6 µg/l      | -              |
|                                | <b>Marine water</b>           | 6,1 µg/l       | -              |
|                                | <b>Fresh water sediment</b>   | 117,8 mg/kg    | -              |
|                                | <b>Marine water sediment</b>  | 56,5 mg/kg     | -              |
|                                | <b>Soil</b>                   | 35,6 mg/kg     | -              |
|                                | <b>Sewage Treatment Plant</b> | 100 µg/l       | -              |
|                                | <b>Fresh water</b>            | 1 mg/l         | -              |
|                                | <b>Marine water</b>           | 0,1 mg/l       | -              |
|                                | <b>Sewage Treatment Plant</b> | 10 mg/l        | -              |
|                                | <b>Fresh water sediment</b>   | 3,8 mg/kg dwt  | -              |
|                                | <b>Marine water sediment</b>  | 0,38 mg/kg dwt | -              |

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|  |             |                 |   |
|--|-------------|-----------------|---|
|  | <b>Soil</b> | 0,173 mg/kg dwt | - |
|--|-------------|-----------------|---|

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### Individual protection 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

**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. > 8 hours (breakthrough time): nitrile rubber (0.5mm), polyethylene (PE), polyvinyl alcohol (PVA)

The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to British Standard BS EN 1149 for further information on material and design requirements and test methods. Recommended: Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

**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.

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

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapour filter (Type A) (EN 140)
- 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**

- Physical state** : Liquid.
- Colour** : Grey. Orange.
- Odour** : Solvent-like [Slight]
- Odour threshold** : Not available.
- Melting point/freezing point** : Not applicable.
- Initial boiling point and boiling range** : 150 to 205°C (302 to 401°F) [Literature hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics]
- Flammability (solid, gas)** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Vapour may travel a considerable distance to source of ignition and flash back.
- Lower and upper explosion limit** : Lower: 0,6% [Calculated (Le Chatelier mixture rule)]  
Upper: 7% [Calculated (Le Chatelier mixture rule)]
- Flash point** : Closed cup: 41°C (105,8°F) [Literature hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics]
- Auto-ignition temperature** : >230°C (>446°F) [Literature hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics]
- Decomposition temperature** : Not applicable.
- pH** : Not applicable.
- pH : Justification** : Product is non-soluble (in water).
- Viscosity** : Dynamic (room temperature): 1650 to 1750 mPa·s [ASTM D562 [KU]]  
Kinematic (room temperature): 1231 to 1357 mm<sup>2</sup>/s [calculated.]  
Kinematic (40°C): >20,5 mm<sup>2</sup>/s [calculated.]
- Solubility(ies)** :

| Media      | Result      |
|------------|-------------|
| cold water | Not soluble |
| hot water  | Not soluble |

- Solubility in water** : Not available.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Vapour pressure** : 0,1 to 0,3 kPa (0,75 to 2,25 mm Hg) [Literature hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics]
- Evaporation rate** : 0,2 (Butyl acetate. = 1)
- Relative density** : Not available.
- Density** : 1,29 to 1,34 g/cm<sup>3</sup> [20°C (68°F)] [DIN 53217]
- Vapour density** : >1 [Air = 1]
- Explosive properties** : Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. No unusual hazard if involved in a fire.
- Oxidising properties** : Not available.
- Particle characteristics**

## SECTION 9: Physical and chemical properties

**Median particle size** : Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials:  
oxidising materials

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                 | Result   | Value                            |
|---|--|----------------------------------|
| trizinc bis(orthophosphate)             | <b>Rat - Oral - LD50</b>                         | >5000 mg/kg                      |
|   | <b>Rat - Inhalation - LC50 Dusts and mists</b>   | >5,7 mg/l [4 hours]              |
| Naphtha (petroleum), hydrotreated heavy | <b>Rat - Oral - LD50</b>                         | >6 g/kg                          |
|   | <b>Rat - Inhalation - LC50 Vapour</b>            | 8500 mg/m <sup>3</sup> [4 hours] |
| zinc oxide                              | <b>Rat - Oral - LD50</b>                         | >15 g/kg                         |
|   | <b>Mouse - Inhalation - LC50 Dusts and mists</b> | 2500 mg/m <sup>3</sup> [4 hours] |
| phthalic anhydride                      | <b>Rat - Oral - LD50</b>                         | 1530 mg/kg                       |

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

| Product/ingredient name                                       | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | 10000        | N/A            | N/A                      | N/A                         | N/A                                 |
| phthalic anhydride  | 1530         | N/A            | N/A                      | N/A                         | N/A                                 |

#### Skin corrosion/irritation

## SECTION 11: Toxicological information

| Product/ingredient name | Result                        | Exposure                             | Observation |
|-------------------------|-------------------------------|--------------------------------------|-------------|
| zinc oxide              | Rabbit - Skin - Mild irritant | Amount/concentration applied: 500 mg | -           |

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

**Ingredient name**

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics  
zinc oxide

**Conclusion/Summary**

May cause mild skin irritation  
Non-irritating to the skin.

### Serious eye damage/eye irritation

| Product/ingredient name | Result                            | Exposure                             | Observation |
|-------------------------|-----------------------------------|--------------------------------------|-------------|
| zinc oxide              | Rabbit - Eyes - Mild irritant     | Amount/concentration applied: 500 mg | -           |
| phthalic anhydride      | Rabbit - Eyes - Moderate irritant | Amount/concentration applied: 50 mg  | -           |

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

**Ingredient name**

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics  
zinc oxide

**Conclusion/Summary**

Non-irritating to the eyes.  
Non-irritating to the eyes.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : May cause drowsiness or dizziness.

### Respiratory or skin sensitization

| Product/ingredient name                                       | Species - Route of exposure | Result                  |
|---|-----------------------------|-------------------------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | Rabbit - skin               | Result: Not sensitizing |

#### Skin

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

**Ingredient name**

zinc oxide

**Conclusion/Summary**

Non-sensitizer to skin.

#### Respiratory

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

**Ingredient name**

zinc oxide

**Conclusion/Summary**

None sensitizer

### Germ cell mutagenicity

Not available.

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

**Ingredient name**

**Conclusion/Summary**

## SECTION 11: Toxicological information

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics

Not mutagenic in a standard battery of genetic toxicological tests.

### Carcinogenicity

Not available.

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

#### **Ingredient name**

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics

#### **Conclusion/Summary**

No carcinogenic effect.

### Reproductive toxicity

Not available.

**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

#### **Product/ingredient name**

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics  
Naphtha (petroleum), hydrotreated heavy phthalic anhydride

#### **Result**

STOT SE 3, H336 (Narcotic effects)  
STOT SE 3, H336 (Narcotic effects)  
STOT SE 3, H335 (Respiratory tract irritation)

### Specific target organ toxicity (repeated exposure)

#### **Product/ingredient name**

2-ethylhexanoic acid, manganese salt

#### **Result**

STOT RE 2, H373

### Aspiration hazard

#### **Product/ingredient name**

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics  
Naphtha (petroleum), hydrotreated heavy hydrocarbons, C10-C13, n-/ iso-/ cyclo-alkanes, < 2% aromatics

#### **Result**

ASPIRATION HAZARD - Category 1  
ASPIRATION HAZARD - Category 1  
ASPIRATION HAZARD - Category 1

### Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

#### **Eye contact**

: No known significant effects or critical hazards.

#### **Inhalation**

: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

#### **Skin contact**

: Defatting to the skin. May cause skin dryness and irritation.

#### **Ingestion**

: Can cause central nervous system (CNS) depression.

### Symptoms related to the physical, chemical and toxicological characteristics

#### **Eye contact**

: No specific data.

#### **Inhalation**

: Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

## SECTION 11: Toxicological information

- Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking
- Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

- General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

### Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name                                       | Result   | Species  |
|---|--|--|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | <b>Acute - NOEC</b><br>100 mg/l [72 hours]                 | Algae  |
|   | <b>Chronic - NOEC</b><br>0,23 mg/l                         | Daphnia spec.                                  |
|   | <b>Chronic - NOEC</b><br>0,131 mg/l                        | Fish   |
| trizinc bis(orthophosphate)                                   | <b>Acute - IC50</b><br>1,87 mg/l [72 hours]                | Algae  |
|   | <b>Acute - EC50</b><br>5,7 mg/l [48 hours]                 | Daphnia spec.                                  |
| zinc oxide  | <b>Acute - LC50 - Fresh water</b><br>98 µg/l [48 hours]    | Daphnia spec. - Water flea - Neonate           |
|   | <b>Acute - IC50 - Fresh water</b><br>46 µg/l [72 hours]    | Algae - Green algae - Exponential growth phase |
|   | <b>Acute - EC50 - Fresh water</b><br>0,481 mg/l [48 hours] | Daphnia spec. - Water flea - Neonate           |
|   | <b>Acute - EC50</b><br>0,413 mg/l [48 hours]               | Daphnia spec.                                  |

## SECTION 12: Ecological information

|                    |  |  |
|--------------------|--|--|
| phthalic anhydride | <b>Chronic - NOEC</b><br>0,082 mg/l [7 days]               | Daphnia spec.                              |
|                    | <b>Acute - EC50</b><br>0,137 mg/l [72 hours]               | Algae                                      |
|                    | <b>Chronic - NOEC</b><br>0,019 mg/l [7 days]               | Algae                                      |
|                    | <b>Acute - LC50</b><br>0,33 to 0,78 mg/l [96 hours]        | Fish - Rainbow trout (oncorhynchus mykiss) |
|                    | <b>Acute - EC50</b><br>0,024 mg/l [72 hours]               | Algae                                      |
|                    | <b>Chronic - NOEC</b><br>0,199 mg/l [30 days]              | Fish - Rainbow trout (oncorhynchus mykiss) |
|                    | <b>Chronic - NOEC</b><br>0,037 mg/l [21 days]              | Daphnia spec.                              |
|                    | <b>Acute - EC50 - Fresh water</b><br>78,53 mg/l [96 hours] | Algae - Green algae                        |

**Conclusion/Summary [Product]** : Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

| Product/ingredient name                                       | Test | Result                      |
|---|------|-----------------------------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | -    | >80% [28 days] - Readily    |
|   | -    | >80% [28 days] - Readily    |
| naphtha (petroleum), hydrotreated heavy                       | -    | 80% [28 days] - Not readily |

**Conclusion/Summary [Product]** : This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.

#### Ingredient name

hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics

#### Conclusion/Summary

Rapidly lost by degradation and volatilisation.

| Product/ingredient name                                       | Aquatic half-life | Photolysis       | Biodegradability |
|---|-------------------|------------------|------------------|
| hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics | -                 | 100%; <28 day(s) | Readily          |
| Naphtha (petroleum), hydrotreated heavy                       | -                 | -                | Not readily      |
| zinc oxide  | -                 | -                | Not readily      |

### 12.3 Bioaccumulative potential

**SECTION 12: Ecological information**

| Product/ingredient name                                      | LogP <sub>ow</sub> | BCF        | Potential |
|--|--------------------|------------|-----------|
| hydrocarbons, C9-C11, n-/iso-/ cyclo-alkanes, < 2% aromatics | 5 to 6.7           | 10 to 2500 | High      |
| trizinc bis(orthophosphate)                                  | -                  | 60960      | High      |
| Naphtha (petroleum), hydrotreated heavy                      | -                  | 10 to 2500 | High      |
| zinc oxide   | -                  | 28960      | High      |
| 2-ethylhexanoic acid, manganese salt                         | 2,96               | 2,96       | Low       |
| phthalic anhydride   | 1,6                | 3,4        | Low       |

**12.4 Mobility in soil**

**Soil/water partition coefficient** : Not available.

**Mobility** : Volatile.

**12.5 Results of PBT and vPvB assessment**

| Product/ingredient name                                       | PBT | P   | B   | T   | vPvB | vP  | vB  |
|---|-----|-----|-----|-----|------|-----|-----|
| hydrocarbons, C9-C11, n-/iso-/ cyclo-alkanes, < 2% aromatics  | No  | N/A | No  | No  | No   | N/A | No  |
| trizinc bis(orthophosphate)                                   | No  | No  | No  | No  | No   | No  | No  |
| Naphtha (petroleum), hydrotreated heavy                       | No  | N/A | No  | No  | No   | N/A | No  |
| zinc oxide  | No  | No  | No  | No  | No   | No  | No  |
| hydrocarbons, C10-C13, n-/iso-/ cyclo-alkanes, < 2% aromatics | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| 2-ethylhexanoic acid, manganese salt                          | No  | N/A | No  | Yes | No   | N/A | No  |
| phthalic anhydride  | No  | N/A | No  | No  | No   | N/A | No  |

**12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance.

**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.








**Waste catalogue**

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

## 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. 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, drains and sewers.

## SECTION 14: Transport information

|  | ADR/RID  | ADN  | IMDG  | IATA   |
|--|--|--|---|--|
| <b>14.1 UN number or ID number</b>     | UN1263   | UN1263   | UN1263  | UN1263   |
| <b>14.2 UN proper shipping name</b>    | PAINT  | PAINT  | PAINT   | PAINT  |
| <b>14.3 Transport hazard class(es)</b> | 3<br>  | 3<br>  | 3<br>  | 3<br> |
| <b>14.4 Packing group</b>              | III  | III  | III   | III  |
| <b>14.5 Environmental hazards</b>      | Yes.   | Yes.   | Yes.  | Yes. The environmentally hazardous substance mark is not required.                       |

### Additional information ADR

**Viscous liquid exception** This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.2.3.1.5.2.

**Limited quantity** : 5L  
**Transport Category** : 3  
**Hazard identification number** : 30  
**Classification code** : F1  
**ADR Label Model Number** : 3  
**Excepted Quantity** : E1  
**Tunnel code** : (D/E)  
**Packing instructions** : P001, IBC03, LP01, R001  
**Mixed Packing Provisions** : MP19  
**Special Packing Provisions** : PP1  
**Special provisions** : 163, 367, 650

### Additional information ADN

**Viscous liquid exception** This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.2.3.1.5.2.

**Limited quantity** : 5L  
**Classification code** : F1  
**Special provisions** : 163, 367, 650

### Additional information IMDG

## SECTION 14: Transport information

**Viscous liquid exception** This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.3.2.5.

- Limited quantity** : 5L
- Emergency schedules** : F-E, S-E
- Special provisions** : 163, 223, 367, 955

### Additional information IATA

The environmentally hazardous substance mark may appear if required by other transportation regulations.

- Passenger and Cargo Aircraft** : Quantity limitation 60L Packaging instruction 355
- Cargo aircraft** : Quantity limitation 220L Packaging instruction 366
- Limited Quantities - Passenger Aircraft** : Quantity limitation 10L Packaging instruction Y344
- Special provisions** : A3, A72, A192

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

#### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed above the relevant limit.

##### Substances of very high concern

None of the components are listed above the relevant limit.

#### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name           | %   | Designation [Usage] |
|-----------------------------------|-----|---------------------|
| 1060-1080 High Build Metal Primer | ≥90 | 3                   |

**Labelling** : Not applicable.

#### Synthetic polymer microparticles - Designation 78

**Generic identity of polymer(s)** : Not applicable.

**Total percentage of synthetic polymer microparticles** : Not applicable.

### Other EU regulations

**VOC** : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

**VOC for Ready-for-Use Mixture** : 2004/42/EC - IIA/i: 500g/l (2010). ≤ 449g/l VOC.

## SECTION 15: Regulatory information

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

### Ozone depleting substances

Not listed.

### Prior Informed Consent (PIC)

Not listed.

### Persistent Organic Pollutants

Not listed.

### Seveso Directive

This product is controlled under the Seveso Directive.

### Danger criteria

#### Category

P5c  
E2

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

**CN code** : 3208 10 90 00

### Inventory list

**Australia** : At least one component is not listed.

**Canada** : At least one component is not listed.

**China** : At least one component is not listed.

**Eurasian Economic Union** : **Russian Federation inventory**: Not determined.

**Japan** : **Japan inventory (CSCL)**: At least one component is not listed.

**Japan inventory (ISHL)**: At least one component is not listed.

## SECTION 15: Regulatory information

|  |  |
|--|--|
| <b>New Zealand</b>                     | : At least one component is not listed.  |
| <b>Philippines</b>                     | : Not determined.  |
| <b>Republic of Korea</b>               | : At least one component is not listed.  |
| <b>Taiwan</b>                          | : All components are listed or exempted.   |
| <b>Thailand</b>                        | : At least one component is not listed.  |
| <b>Turkey</b>                          | : At least one component is not listed.  |
| <b>United States</b>                   | : At least one component is not listed.  |
| <b>Viet Nam</b>                        | : At least one component is not listed.  |
| <b>15.2 Chemical safety assessment</b> | : This product contains substances for which Chemical Safety Assessments are still required. |

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

|                                   |  |
|-----------------------------------|--|
| <b>Abbreviations and acronyms</b> | : ATE = Acute Toxicity Estimate<br>GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = GB CLP-specific Hazard statement<br>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>vPvB = Very Persistent and Very Bioaccumulative |
|-----------------------------------|--|

### Procedure used to derive the classification

| Classification   | Justification   |
|--|---|
| Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411 | On basis of test data<br>Calculation method<br>Calculation method |

### Full text of abbreviated H statements

|        |  |
|--------|--|
| H226   | Flammable liquid and vapour.   |
| H302   | Harmful if swallowed.  |
| H304   | May be fatal if swallowed and enters airways.                              |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.                                       |
| H318   | Causes serious eye damage.   |
| H319   | Causes serious eye irritation.   |
| H334   | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335   | May cause respiratory irritation.  |
| H336   | May cause drowsiness or dizziness.   |
| H360D  | May damage the unborn child.   |
| H373   | May cause damage to organs through prolonged or repeated exposure.         |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.                      |
| H411   | Toxic to aquatic life with long lasting effects.                           |
| H412   | Harmful to aquatic life with long lasting effects.                         |
| EUH066 | Repeated exposure may cause skin dryness or cracking.                      |

### Full text of classifications

**SECTION 16: Other information**

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

**Date of printing** : 12/02/2026

**Date of issue/ Date of revision** : 12/02/2026

**Date of previous issue** : 26/10/2023

**Version** : 10

**Notice to reader**

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