

# SAFETY DATA SHEET

Date of issue/Date of revision

: 8 September 2021

Version

: 5



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

### 1.1 Product identifier

**Product name** : MEGASEAL SFT675 Non Slip 100% Solids Safety Yellow Kit

**Product code** : 00339399

#### Other means of identification

Not available.

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

**Product use** : Professional applications.

**Use of the substance/mixture** : Coating.

**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 responsible for this SDS** : [Product.Stewardship.EMEA@ppg.com](mailto:Product.Stewardship.EMEA@ppg.com)

#### National contact

PPG Architectural Coatings UK Ltd, Huddersfield Road, Birstall, West Yorkshire WF17 9XA, Tel: +44 (0) 1924 354000

### 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]**

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Skin Sens. 1, H317

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

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## 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 :

Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 Harmful to aquatic life with long lasting effects.

### Precautionary statements

Prevention :

Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Avoid breathing dust or mist. Wash thoroughly after handling.

Response :

Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water.

Storage :

Not applicable.

Disposal :

Not applicable.  
 P280, P273, P261, P264, P362 + P364, P302 + P352

Hazardous ingredients :

epoxy resin (MW ≤ 700)  
 Oxirane, 2,2'-[oxybis[(methyl-2,1-ethanediyl)oxymethylene]]bis-  
 Oxirane, 2-[(C12-13-alkyloxy)methyl] derivs.

Supplemental label elements :

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. Contains epoxy constituents. May produce an allergic reaction.

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 :

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

Other hazards which do not result in classification :

May form explosible dust-air mixture if dispersed. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

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### SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name   | Identifiers  | % by weight | Classification<br>Regulation (EC) No.<br>1272/2008 [CLP]   | Type    |
|---|--|-------------|--|---------|
| Quartz (SiO <sub>2</sub> )                                      | EC: 238-878-4<br>CAS: 14808-60-7   | ≥25 - ≤50   | Not classified.  | [2]     |
| aluminium oxide   | REACH #: 01-2119529248-35<br>EC: 215-691-6<br>CAS: 1344-28-1                       | ≥10 - ≤25   | Not classified.  | [2]     |
| epoxy resin (MW ≤ 700)  | REACH #: 01-2119456619-26<br>EC: 500-033-5<br>CAS: 25068-38-6                      | ≥10 - ≤22   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411         | [1]     |
| Oxirane, 2,2'-[oxybis[(methyl-2,1-ethanediyl)oxymethylene]]bis- | CAS: 41638-13-5  | ≥1.0 - ≤5.0 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412         | [1]     |
| Oxirane, 2-[(C12-13-alkyloxy)methyl] derivs.                    | CAS: 120547-52-6   | ≤2.0        | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411         | [1]     |
| 1-methoxy-2-propanol  | REACH #: 01-2119457435-35<br>EC: 203-539-1<br>CAS: 107-98-2<br>Index: 603-064-00-3 | ≥1.0 - ≤5.0 | Flam. Liq. 3, H226<br>STOT SE 3, H336  | [1] [2] |
| titanium dioxide  | REACH #: 01-2119489379-17<br>EC: 236-675-5<br>CAS: 13463-67-7                      | ≥1.0 - ≤5.0 | Not classified.<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | [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
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

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

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

**SUB codes represent substances without registered CAS Numbers.**

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- 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 powder.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

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

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## SECTION 5: Firefighting measures

**Hazards from the substance or mixture** : May form explosible dust-air mixture if dispersed. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
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 for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

### 6.2 Environmental precautions

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

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

**Small spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : 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. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.

### 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.

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## SECTION 7: Handling and storage

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

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid release to the environment. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. 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

- : 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. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## SECTION 8: Exposure controls/personal protection

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

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name    | Exposure limit values  |
|----------------------------|--|
| Quartz (SiO <sub>2</sub> ) | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction  |
| aluminium oxide            | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable dust  |
| 1-methoxy-2-propanol       | TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable dust<br><b>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</b><br>STEL: 560 mg/m <sup>3</sup> 15 minutes.<br>STEL: 150 ppm 15 minutes. |

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

|                  |  |
|------------------|--|
| titanium dioxide | TWA: 375 mg/m <sup>3</sup> 8 hours.<br>TWA: 100 ppm 8 hours.<br><b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: total inhalable |
|------------------|--|

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard 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**

| Product/ingredient name | Type | Exposure              | Value                   | Population                     | Effects  |
|-------------------------|------|-----------------------|-------------------------|--------------------------------|----------|
| aluminium oxide         | DNEL | Long term Oral        | 3.29 mg/kg bw/day       | General population             | Systemic |
|                         | DNEL | Long term Inhalation  | 15.63 mg/m <sup>3</sup> | Workers                        | Local    |
| epoxy resin (MW ≤ 700)  | DNEL | Long term Inhalation  | 15.63 mg/m <sup>3</sup> | Workers                        | Systemic |
|                         | DNEL | Long term Inhalation  | 12.25 mg/m <sup>3</sup> | Workers                        | Systemic |
|                         | DNEL | Short term Inhalation | 12.25 mg/m <sup>3</sup> | 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 |
| 1-methoxy-2-propanol    | DNEL | Short term Oral       | 0.75 mg/kg bw/day       | General population [Consumers] | Systemic |
|                         | DNEL | Long term Oral        | 33 mg/kg bw/day         | General population             | Systemic |
|                         | DNEL | Long term Inhalation  | 43.9 mg/m <sup>3</sup>  | General population             | Systemic |
|                         | DNEL | Long term Dermal      | 78 mg/kg bw/day         | General population             | Systemic |
| titanium dioxide        | DNEL | Long term Dermal      | 183 mg/kg bw/day        | Workers                        | Systemic |
|                         | DNEL | Long term Inhalation  | 369 mg/m <sup>3</sup>   | Workers                        | Systemic |
|                         | DNEL | Short term Inhalation | 553.5 mg/m <sup>3</sup> | Workers                        | Local    |
|                         | DNEL | Short term Inhalation | 553.5 mg/m <sup>3</sup> | Workers                        | Systemic |
|                         | DNEL | Long term Inhalation  | 10 mg/m <sup>3</sup>    | Workers                        | Local    |
|                         | DNEL | Long term Oral        | 700 mg/kg bw/day        | General population             | Systemic |

**PNECs**

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

| Product/ingredient name | Type | Compartment Detail     | Value           | Method Detail            |
|-------------------------|------|------------------------|-----------------|--------------------------|
| aluminium oxide         | -    | Fresh water            | 74.9 µg/l       | Assessment Factors       |
|                         | -    | Sewage Treatment Plant | 20 mg/l         | Assessment Factors       |
| epoxy resin (MW ≤ 700)  | -    | Fresh water            | 0.006 mg/l      | Assessment Factors       |
|                         | -    | Marine water           | 0.001 mg/l      | Assessment Factors       |
| 1-methoxy-2-propanol    | -    | 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 |
|                         | -    | Fresh water            | 10 mg/l         | Assessment Factors       |
|                         | -    | Marine water           | 1 mg/l          | Assessment Factors       |
|                         | -    | Sewage Treatment Plant | 100 mg/l        | Assessment Factors       |
|                         | -    | Fresh water sediment   | 41.6 mg/kg      | Equilibrium Partitioning |
|                         | -    | Marine water sediment  | 4.17 mg/kg      | Equilibrium Partitioning |
|                         | -    | Soil                   | 2.47 mg/kg      | Equilibrium Partitioning |

**8.2 Exposure controls**

**Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, 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. 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. 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 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.

**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** :



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

Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. 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. Mask type: full-face mask half-face mask Filter type: particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

**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****Appearance**

|  |   |
|--|---|
| <b>Physical state</b>                          | : Solid.  |
| <b>Product type</b>                            | : Powder.   |
| <b>Colour</b>                                  | : Yellow.   |
| <b>Odour</b>                                   | : Odourless.  |
| <b>Odour threshold</b>                         | : Not available.  |
| <b>pH</b>                                      | : insoluble in water.   |
| <b>Melting point/freezing point</b>            | : Not available.  |
| <b>Initial boiling point and boiling range</b> | : Not available.  |
| <b>Flash point</b>                             | : Closed cup: 205°C   |
| <b>Evaporation rate</b>                        | : Not available.  |
| <b>Flammability (solid, gas)</b>               | : Not available.  |
| <b>Minimum explosive concentration (MEC)</b>   | : 10 g/m <sup>3</sup>   |
| <b>Vapour pressure</b>                         | : Not available.  |
| <b>Relative density</b>                        | : 2.01  |
| <b>Solubility(ies)</b>                         | : Insoluble in the following materials: cold water.   |
| <b>Partition coefficient: n-octanol/water</b>  | : Not applicable.   |
| <b>Auto-ignition temperature</b>               | : Not applicable.   |
| <b>Decomposition temperature</b>               | : Stable under recommended storage and handling conditions (see Section 7).   |
| <b>Viscosity</b>                               | : Kinematic (40°C): Not applicable.   |
| <b>Explosive properties</b>                    | : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |
| <b>Oxidising properties</b>                    | : Product does not present an oxidizing hazard.   |

**9.2 Other information**

No additional information.

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## 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: oxidising 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 toxicological effects

#### Acute toxicity

| Product/ingredient name   | Result                          | Species | Dose         | Exposure |
|---|---------------------------------|---------|--------------|----------|
| aluminium oxide   | LC50 Inhalation Dusts and mists | Rat     | 7.6 mg/l     | 4 hours  |
| epoxy resin (MW ≤ 700)  | LD50 Oral                       | Rat     | >15900 mg/kg | -        |
|   | LD50 Dermal                     | Rabbit  | >2 g/kg      | -        |
| Oxirane, 2,2'-[oxybis[(methyl-2,1-ethanediyloxy)methylene]]bis- | LD50 Oral                       | Rat     | >2 g/kg      | -        |
|   | LD50 Dermal                     | Rabbit  | >2 g/kg      | -        |
| Oxirane, 2-[(C12-13-alkyloxy)methyl] derivs.                    | LD50 Oral                       | Rat     | >2 g/kg      | -        |
|   | LD50 Dermal                     | Rabbit  | >2 g/kg      | -        |
| 1-methoxy-2-propanol  | LD50 Oral                       | Rat     | >10 g/kg     | -        |
|   | LC50 Inhalation Vapour          | Rat     | >7000 ppm    | 6 hours  |
|   | LD50 Dermal                     | Rabbit  | 13 g/kg      | -        |
| titanium dioxide  | LD50 Oral                       | Rat     | 5.2 g/kg     | -        |
|   | LC50 Inhalation Dusts and mists | Rat     | >6.82 mg/l   | 4 hours  |
|   | LD50 Dermal                     | Rabbit  | >5000 mg/kg  | -        |
|   | LD50 Oral                       | Rat     | >5000 mg/kg  | -        |

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

#### Acute toxicity estimates

| Route          | ATE value |
|----------------|-----------|
| Not available. |           |

#### Irritation/Corrosion

| Product/ingredient name | Result               | Species | Score | Exposure | Observation |
|-------------------------|----------------------|---------|-------|----------|-------------|
| epoxy resin (MW ≤ 700)  | Skin - Mild irritant | Rabbit  | -     | -        | -           |
|                         | Eyes - Mild irritant | Rabbit  | -     | -        | -           |

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

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## SECTION 11: Toxicological information

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

### Sensitisation

| Product/ingredient name | Route of exposure | Species | Result      |
|-------------------------|-------------------|---------|-------------|
| epoxy resin (MW ≤ 700)  | skin              | Mouse   | Sensitising |

### Conclusion/Summary

**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 target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs    |
|-------------------------|------------|-------------------|------------------|
| 2-methoxy-2-propanol    | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

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

### Potential acute health effects

**Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

**Ingestion** : No known significant effects or critical hazards.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Eye contact** : Causes serious eye irritation.

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

**Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing

**Ingestion** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

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**SECTION 11: Toxicological information**Delayed and immediate effects as well as chronic effects from short and long-term exposureShort 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** : Not available.**General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.**Carcinogenicity** : No known significant effects or critical hazards.**Mutagenicity** : No known significant effects or critical hazards.**Reproductive toxicity** :  No known significant effects or critical hazards.**Other information** : Not available.

Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death.

**SECTION 12: Ecological information****12.1 Toxicity**

| Product/ingredient name                             | Result                           | Species                 | Exposure |
|---|----------------------------------|-------------------------|----------|
| <input checked="" type="checkbox"/> aluminium oxide | Acute LC50 >100 mg/l             | Fish                    | 96 hours |
| epoxy resin (MW ≤ 700)                              | Acute LC50 1.8 mg/l              | Daphnia                 | 48 hours |
|   | Chronic NOEC 0.3 mg/l            | Daphnia                 | 21 days  |
| 1-methoxy-2-propanol                                | Acute LC50 23300 mg/l            | Daphnia                 | 48 hours |
|   | Acute LC50 >4500 mg/l            | Fish                    | 96 hours |
|   | Fresh water                      |                         |          |
| titanium dioxide                                    | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |

**Conclusion/Summary** : There are no data available on the mixture itself.**12.2 Persistence and degradability**

| Product/ingredient name | Test      | Result        | Dose | Inoculum |
|-------------------------|-----------|---------------|------|----------|
| epoxy resin (MW ≤ 700)  | OECD 301F | 5 % - 28 days | -    | -        |

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

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| epoxy resin (MW ≤ 700)  | -                 | -          | Not readily      |

**12.3 Bioaccumulative potential**

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## SECTION 12: Ecological information

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| epoxy resin (MW ≤ 700)  | 3                  | 31  | low       |
| 1-methoxy-2-propanol    | <1                 | -   | low       |

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

### 12.5 Results of PBT and vPvB assessment

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

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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

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

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

| Waste code | Waste designation  |
|------------|--|
| 08 01 12   | waste paint and varnish other than those mentioned in 08 01 11 |

#### Packaging

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

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

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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## 14. Transport information

|                                 | ADR/RID         | ADN  | IMDG            | IATA            |
|---------------------------------|-----------------|--|-----------------|-----------------|
| 14.1 UN number                  | Not regulated.  | 9005   | Not regulated.  | Not regulated.  |
| 14.2 UN proper shipping name    | -               | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. | -               | -               |
| 14.3 Transport hazard class(es) | -               | 9  | -               | -               |
| 14.4 Packing group              | -               | -  | -               | -               |
| 14.5 Environmental hazards      | No.             | Yes.   | No.             | No.             |
| Marine pollutant substances     | Not applicable. | Not applicable.                                    | Not applicable. | Not applicable. |

### Additional information

ADR/RID : None identified.  
 ADN : The product is only regulated as a dangerous good when transported in tank vessels.  
 IMDG : None identified.  
 IATA : None identified.

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 Transport in bulk according to IMO instruments : Not applicable.

## 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 authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

#### Ozone depleting substances (1005/2009/EU)

Not listed.

#### Seveso Directive

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## SECTION 15: Regulatory information

This product is not controlled under the Seveso Directive.

| Product/ingredient name    | List name                                  | Name on list                                       | Classification | Notes |
|----------------------------|--|--|----------------|-------|
| Quartz (SiO <sub>2</sub> ) | UK Occupational Exposure Limits EH40 - WEL | silica, respirable crystalline respirable fraction | Carc.          | -     |

**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

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification   | Justification  |
|--|--|
| Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### Full text of abbreviated H statements

|      |  |
|------|--|
| H226 | Flammable liquid and vapour.                       |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H336 | May cause drowsiness or dizziness.                 |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

### Full text of classifications [CLP/GHS]

|  |  |
|--|--|
| Aquatic Chronic 2<br>Aquatic Chronic 3<br>Eye Irrit. 2<br>Flam. Liq. 3<br>Skin Irrit. 2<br>Skin Sens. 1<br>STOT SE 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 3<br>SKIN CORROSION/IRRITATION - Category 2<br>SKIN SENSITISATION - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |
|--|--|

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## **SECTION 16: Other information**

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**Prepared by** : EHS

**Version** : 5

### **Disclaimer**

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