

**BS 303 Polyurethane Coating**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION OF THE COMPANY**

Product name Company                    **BS 303 Polyurethane Coating**  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**PREPARATION**

Chemical nature                              Water based Polyurethane

| Components presenting hazards                     | Conc(%w/w) | Classification No |
|---|------------|-------------------|
| siloxanes, and silicones CAS No 68938-54-5        | 0 - 0.5%   | Xn; R20 N; R51/53 |
| diMe3hydroxypropyl ethers with PEG monoM E E ther |            |                   |

**3. HAZARDS IDENTIFICATION**

Adverse human health effects            Irritating to eyes, respiratory system and skin.  
 Physical and chemical explosion  
 Fire or explosion                              No  
 Further information                          After drying may stick to skin.

**4. FIRST AID MEASURES**

Inhalation                                      Remove the affected person to fresh air. In case of breathing difficulty seek medical attention.  
 Skin contact                                    Remove all contaminated clothing and footwear. Wash with soap and water.  
 Eye contact                                    Rinse with running water whilst keeping the eyes wide open. (at least 15 minutes) . Seek medical advice  
 Ingestion                                        Never attempt to induce vomiting. Rinse mouth out with water.  
 Further information                          Place contaminated clothing in a sealed bag for disposal.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

|                                |  |
|--------------------------------|--|
| Not suitable                   | None to our knowledge. If there is a fire close by, use suitable extinguishing agents. |
| Specific hazards               | In the event of fire the following can be released<br>Carbon monoxide                  |
| Suitable                       | Carbon dioxide (CO <sub>2</sub> )<br>Foam<br>Powders<br>Water spray                    |
| Specific fire fighting methods | Cool down the containers/equipment exposed to heat with a water spray.                 |

## 6. ACCIDENTAL RELEASE MEASURES

|                           |   |
|---------------------------|---|
| Personal precautions      | Avoid contact with skin and eyes.<br>Do not breathe vapours.<br>Protective equipment:<br>For further information refer to section 8 "Exposure-controls/personal protection".<br>Mechanically ventilate the spillage area. |
| Environmental precautions | Do not allow to enter water courses   |
| Methods for cleaning up   |   |
| Recovery                  | Scrape up the product with a spatula or similar instrument<br>Collect up the product and place it in a spare container:<br>- suitably labelled.   |
| Neutralization            | Absorb residues with:<br>- inert absorbent material.  |
| Cleaning/Decontamination  | Decontaminate and wash the floor with:<br>an appropriate solvent.(cf. : § 9)<br>Then wash with plenty of water.   |
| Disposal                  | For disposal of solid materials refer to section 13 "Disposal considerations".  |

## 7. HANDLING AND STORAGE

|          |  |
|----------|--|
| STORAGE  | <p>Safe handling advice : Comply with instructions for use (refer to technical sheet).</p> <p>Work outside or in a well-ventilated room.</p> <p>Technical measures : Does not require any specific or particular technical measures.</p> <p>Recommended : Keep:</p> <ol style="list-style-type: none"> <li>1) only in the original container.</li> <li>2) the container tightly closed and dry.</li> </ol> |
| HANDLING | Technical measures: Ventilation.   |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                               |  |
|-------------------------------|--|
| Engineering measures          | Ensure good ventilation of the work station.   |
| Control parameters            | <p>May require monitoring for the following</p> <p>3-isocyanatomethyl-5,5,5-trimethylcyclohexyl isocyanate<br/>CAS 4098-71-9<br/>MEL 0.02mg/M3</p> |
| Surveillance procedures       | Measure the concentration in the atmosphere.   |
| Personal protective equipment |  |
| Respiratory protection        | In the event of insufficient ventilation:<br>Respiratory protective device with a gas filter.  |
| Hand protection               | Protective gloves made of rubber/butyl/nitrile.  |
| Eye protection                | Safety spectacles.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

|                           |                           |
|---------------------------|---------------------------|
| Physical state            | Liquid                    |
| Colour                    | Translucent or pigmented. |
| Specific gravity          | 1.02 – 1.05 at 20°C.      |
| Flash Point               | >100°C                    |
| Decomposition temperature | > 200°C.                  |
| Solubility In Water       | Miscible in water         |

## 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| Stability                        | Stable at room temperature  |
| Hazardous reactions              | Do not allow to freeze  |
| Conditions to avoid              | No dangerous reactions known under normal conditions of use.<br>See technical data sheet. |
| Hazardous decomposition products | Refer to section (5)  |

## 11. TOXICOLOGICAL INFORMATION

|                |  |
|----------------|--|
| Acute toxicity | Not classified as harmful by inhalation.<br>Not classified as harmful by contact with skin.<br>Not classified as harmful if swallowed<br>(by calculation according to the conventional method)<br>(internal evaluation) [*]. |
| Local effects  | Slightly irritating to the skin.<br>Slightly irritating to the eyes.<br>May be irritating to the respiratory system. (At high vapour concentrations).  |

## 12. ECOLOGICAL INFORMATION

Do not allow to enter waste water drains or waterways.

## 13. DISPOSAL CONSIDERATIONS

### RESIDUES FROM PRODUCT

Destruction/Disposal                      Dispose of at a licensed waste collection point.

### CONTAMINATED PACKAGING

Decontamination/cleaning                Separate the different packaging components and treat them  
Separately.

Destruction/Disposal                      Incinerate plastic packaging at a licensed installation.  
Entrust the uncontaminated packaging to a licensed waste contractor.  
Following decontamination, re-use or recycle metal packaging.  
Disposable containers:  
Incinerate at a licensed installation.

NOTE    The user's attention is drawn to the possible existence of local  
regulations regarding disposal.

#### **14. TRANSPORT INFORMATION**

##### **INTERNATIONAL REGULATIONS**

**No classified as dangerous goods**

|           |             |
|-----------|-------------|
| Land      |             |
| Rail/road | (RID/ADR)   |
| Sea       | (IMO/IMDG)  |
| Air       | (ICAO-IATA) |

##### **OTHER REGULATIONS**

|                |           |
|----------------|-----------|
| United Kingdom | Rail/road |
|----------------|-----------|

**NOTE** The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

#### **15. REGULATORY INFORMATION**

##### **LABELLING**

|                |  |
|----------------|--|
| EC regulations | Mandatory labelling of preparations not classified as hazardous :<br>Applicable. |
|----------------|--|

|        |  |
|--------|--|
| Labels | R20 - Harmful by inhalation. R51/53 - Toxic to aquatic organisms,<br>may cause long-term adverse effects in the aquatic environment. |
|--------|--|

**NOTE** Regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Material Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

Uses

Prohibited uses

Product is only intended for industrial use.

R Phrases of § 2 & 3

R 10: Flammable.

R 23: Toxic by inhalation.

R 34: Causes burns.

R 36/37/38: Irritation to eyes, respiratory system and skin.

R 42/43: May cause sensitisation by inhalation and skin contact.

R 51/53: Toxic to aquatic organisms and cause long term effect to the environment.

R65: Harmful and may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapour may cause dizziness or drowsiness.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.