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## MATERIAL SAFETY DATA SHEET

### UPS 105 EG METAL REPAIR PASTE KIT

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THIS PRODUCT IS A KIT AND SUPPLIED AS A MULTI PART PRODUCT WHICH CONSISTS OF A BASE COMPONENT AND ACTIVATOR COMPONENT. THIS DOCUMENT CONTAINS THE MSDS FOR BOTH BASE AND ACTIVATOR COMPONENTS.

#### TRANSPORTATION INFORMATION

| ACTIVATOR   | BASE   |
|---|--|
| UN number: UN1759<br>UN proper shipping name<br>Shipping name: CORROSIVE SOLID, N.O.S.<br>Transport hazard class(es)<br>Transport class: 8<br>Packing group<br>Packing group: III<br>Environmentally hazardous: No Marine pollutant:<br>No<br>Special precautions for user<br>Special precautions: No special precautions.<br>Tunnel code: E<br>Transport category: 3 | UN number: UN3077<br>UN proper shipping name<br>Shipping name: ENVIRONMENTALLY HAZARDOUS<br>SUBSTANCE, SOLID, N.O.S.<br>Transport hazard class(es)<br>Transport class: 9<br>Packing group<br>Packing group: III<br>Environmental hazards<br>Environmentally hazardous: Yes Marine pollutant: No<br>Special precautions for user<br>Tunnel code: E<br>Transport category: 3 |

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## SECTION 1: Identification of Substance/ Preparation and Company

- 1.1 Product identifier  
UPS 105 EG METAL REPAIR PASTE ACTIVATOR
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Aliphatic polyamine hardener blend with inert fillers for repairing metalwork
- 1.3 Details of the supplier of the safety data sheet  
Unique Polymer Systems LTD, Unit 1 Bankside Industrial Estate, Ledbury, Herefordshire, HR8 2DR  
Tel: +44 (0) 1531 636300  
Email: info@uniquepolymersystems.com
- 1.4 Emergency telephone number  
+44 (0) 1531 636300 (9am to 5pm)

## SECTION 2: Hazards Identification

### Section 2: Hazards identification

- 2.1. Classification of the substance or mixture  
Classification under CHIP: Xn: R20/21/22; C: R34; Sens.: R43; Xn: R68  
Classification under CLP: Acute Tox. 4: H302; Muta. 2: H341; Repr. 2: H361f; Skin Corr. 1B: H314; Skin Sens. 1: H317  
Most important adverse effects: Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Possible risk of irreversible effects.
- 2.2. Label elements  
Label elements:  
Hazard statements: H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H341: Suspected of causing genetic defects.  
H361f: Suspected of damaging fertility.

Signal words: Danger

Hazard pictograms:  
GHS05: Corrosion  
GHS07: Exclamation mark  
GHS08: Health hazard



Precautionary statements: P102: Keep out of reach of children.  
P202: Do not handle until all safety precautions have been read and understood.

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P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+352: IF ON SKIN: Wash with plenty of water/.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP:  
Hazard symbols: Corrosive.



Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R34: Causes burns.  
R43: May cause sensitisation by skin contact.  
R68: Possible risk of irreversible effects.  
Safety phrases: S1/2: Keep locked up and out of the reach of children.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

Hazardous ingredients:

FORMALDEHYDE POLYMER WITH PHENOL AND TETA

| EINECS | CAS        | CHIP Classification                            | Cl P Classification | Percent |
|--------|------------|--|---------------------|---------|
| -      | 32610-77-8 | Xn: R21/22; C: R34;<br>Sems: R34; -:<br>R52/53 | -                   | 10-30%  |

### 2,2'-IMINODIETHYLAMINE

|           |          |                                   |   |       |
|-----------|----------|-----------------------------------|---|-------|
| 203-865-4 | 111-40-0 | Xn: R21/22; C: R34;<br>Sens.: R43 | Acute Tox. 4: H312;<br>Acute Tox. 4: H302;<br>Skin Corr. 1B:<br>H314; Skin Sens. 1:<br>H317 | 1-10% |
|-----------|----------|-----------------------------------|---|-------|

### 4,4'-ISOPROPYLIDENEDIPHENOL

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|           |         |   |   |       |
|-----------|---------|---|---|-------|
| 201-245-8 | 80-05-7 | Xn: R62; Xi: R37, Xi; R41; Sens: R43;-: R52 | Repr. 2: H361f; STOT SE 3: H335; Eye Dam. 1: H318; Skin Sens. 1: H317 | 1-10% |
|-----------|---------|---|---|-------|

### 3,6-DIAZAOCTANETHYLENEDIAMINE

|           |          |  |  |       |
|-----------|----------|--|--|-------|
| 203-950-6 | 112-24-3 | Xn: R21; C: R34; Sens.: R43; -: R52/53 | Acute Tox. 4: H312; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 1-10% |
|-----------|----------|--|--|-------|

### PHENOL

|           |          |   |   |       |
|-----------|----------|---|---|-------|
| 203-632-7 | 108-95-2 | T: R23/24/25; C: R34; Xn: R48/20/21/22; Xn: R68 | Muta. 2: H341; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Skin Corr. 1B: H314 | 1-10% |
|-----------|----------|---|---|-------|

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

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Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture  
Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters  
Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures  
Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

6.2. Environmental precautions  
Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up  
Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections  
Reference to other sections: Refer to section 8 of SDS.

## Section 7: Handling and storage

7.1. Precautions for safe handling  
Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities  
Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.  
Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)  
Specific end use(s): No data available.

## Section 8: Exposure controls/personal protection

8.1. Control parameters  
Hazardous ingredients:  
2,2'-IMINODIETHYLAMINE

Workplace exposure limits : Respirable dust

| State | 8 hour TWA            | 15 min. STEL | 8 hour TWA | 15 min STEL |
|-------|-----------------------|--------------|------------|-------------|
| UK    | 4.3 mg/m <sup>3</sup> | -            | -          | -           |

4,4'-ISOPROPYLIDENEDIPHENOL

|    |                     |                     |   |   |
|----|---------------------|---------------------|---|---|
| UK | 5 mg/m <sup>3</sup> | 5mg/ m <sup>3</sup> | - | - |
|----|---------------------|---------------------|---|---|

PHENOL

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|    |       |       |   |   |
|----|-------|-------|---|---|
| UK | 2 ppm | 4 ppm | - | - |
|----|-------|-------|---|---|

DNEL/PNEC Values

DNEL / PNEC No data available.

## 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Paste

Colour: Pale grey

Odour: Ammoniacal

Relative density: 1.70

### 9.2. Other information

Other information: No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Hazardous ingredients:

#### 2,2'-IMINODIETHYLAMINE

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| IPR | RAT | LD50 | 74  | mg/kg |
| ORL | MUS | LD50 | 970 | mg/kg |
| ORL | RAT | LD50 | 970 | mg/kg |

#### 4,4'-ISOPROPYLIDENEDIPHENOL

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2400 | mg/kg |
| ORL | RAT | LD50 | 3250 | mg/kg |

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#### 3,6-DIAZAOCTANETHYLENEDIAMINE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | MUS | LD50 | 350  | mg/kg |
| ORL | MUS | LD50 | 1600 | mg/kg |
| ORL | RAT | LD50 | 2500 | mg/kg |

#### PHENOL

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| ORL | MUS | LD50 | 270 | mg/kg |
| ORL | MUS | LD50 | 317 | mg/kg |
| SCU | RAT | LD50 | 460 | mg/kg |

Relevant effects for mixture:

| Effect                   | Route       | Basis                 |
|--------------------------|-------------|-----------------------|
| Acute toxicity (harmful) | INH DRM ING | Hazardous: calculated |
| Corrosivity              | OPT INH DRM | Hazardous: calculated |
| Sensitisation            | DRM         | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values: No data available.

### 12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

UN number: UN1759

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14.2. UN proper shipping name  
Shipping name: CORROSIVE SOLID, N.O.S.  
14.3. Transport hazard class(es)  
Transport class: 8  
14.4. Packing group  
Packing group: III  
14.5. Environmental hazards  
Environmentally hazardous: No Marine pollutant: No  
14.6. Special precautions for user  
Special precautions: No special precautions.  
Tunnel code: E  
Transport category: 3

## Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Specific regulations: Not applicable.  
15.2. Chemical Safety Assessment  
Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412: Harmful to aquatic life with long lasting effects.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R21/22: Harmful in contact with skin and if swallowed.

R21: Harmful in contact with skin.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R37: Irritating to respiratory system.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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R52: Harmful to aquatic organisms.  
R62: Possible risk of impaired fertility.  
R68: Possible risk of irreversible effects.

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## SECTION 1: Identification of Substance/ Preparation and Company

- 1.2 Product identifier  
UPS 105 EG METAL REPAIR PASTE BASE
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Aliphatic polyamine hardener blend with inert fillers for repairing metalwork
- 1.3 Details of the supplier of the safety data sheet  
Unique Polymer Systems LTD, Unit 1 Bankside Industrial Estate, Ledbury, Herefordshire, HR8 2DR  
Tel: +44 (0) 1531 636300  
Email: [info@uniquepolymersystems.com](mailto:info@uniquepolymersystems.com)
- 1.4 Emergency telephone number  
+44 (0) 1531 636300 (9am to 5pm)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R36/38; Sens.: R43; N: R51/53

Classification under CLP: Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; -: EUH205

**Most important adverse effects:** Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH205: Contains epoxy constituents. May produce an allergic reaction.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Warning

**Hazard pictograms:**

GHS07: Exclamation mark

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GHS09: Environmental



**Precautionary statements:** P264: Wash skin thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.  
P302+352: IF ON SKIN: Wash with plenty of water/.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see information on this label).  
P501: Dispose of contents/container to hazardous or special waste collection point.

**Label elements under CHIP:**

**Hazard symbols:**

Irritant.

Dangerous for the environment.



**Risk phrases:** R36/38: Irritating to eyes and skin.  
R43: May cause sensitisation by skin contact.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S29: Do not empty into drains.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

| EINECS    | CAS        | CHIP Classification               | CLP Classification  | Percent |
|-----------|------------|-----------------------------------|---|---------|
| 500-033-5 | 25068-38-6 | Xi: R36/38; Sens.: R43; N: R51/53 | Eye Irrit. 2: H319;<br>Skin Irrit. 2: H315;<br>Skin Sens. 1: H317;<br>Aquatic Chronic 2: H411 | 10-30%  |

BISPHENOL F TYPE EPOXY RESIN

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|           |            |                                      |  |        |
|-----------|------------|--------------------------------------|--|--------|
| 500-108-2 | 28064-14-4 | Xi: R36/38; N:<br>R51/53; Sens.: R43 | Skin Irrit. 2: H315;<br>Eye Irrit. 2: H319;<br>Skin Sens. 1: H317;<br>Aquatic Chronic 2:<br>H411 | 10-30% |
|-----------|------------|--------------------------------------|--|--------|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Not applicable.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Not applicable.

### 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol or polymer foam. Dry chemical powder. Carbon dioxide.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

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## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

#### DNEL/PNEC Values

DNEL / PNEC No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Impermeable protective clothing.

**Environmental:** Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Paste

**Colour:** Dark grey

**Odour:** Barely perceptible odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Viscosity:** Highly viscous

**Boiling point/range°C:** >200 **Flash point°C:** >150

**Relative density:** 2.7g/cc

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong oxidising agents. Amines. Alkalis.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:**

| Route | Species | Test | Value | Units |
|-------|---------|------|-------|-------|
| ORAL  | RBT     | LD50 | >2000 | mg/kg |
| ORAL  | RAT     | LD50 | >2000 | mg/kg |

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**Hazardous ingredients:**

**BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}**

|      |     |      |       |       |
|------|-----|------|-------|-------|
| ORAL | MUS | LD50 | 15600 | mg/kg |
| ORAL | RAT | LD50 | 11400 | mg/kg |
| SKN  | RBT | LD50 | >20   | ml/kg |

**Relevant effects for mixture:**

| Effect        | Route   | Basis                 |
|---------------|---------|-----------------------|
| Irritation    | OPT DRM | Hazardous; calculated |
| Sensitisation | DRM     | Hazardous; calculated |

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

Ecotoxicity values:

| Species | Teat     | Value | Units |
|---------|----------|-------|-------|
| FISH    | 96H LC50 | >5000 | mg/l  |

**12.2. Persistence and degradability**

**Persistence and degradability:** Not biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Insoluble in water.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Toxic to aquatic organisms.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Mixed material, once fully cured, can be disposed as solid waste.

**Waste code number:** 08 04 09

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN3077

**14.2. UN proper shipping name**

**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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#### 14.3. Transport hazard class(es)

Transport class: 9

#### 14.4. Packing group

Packing group: III

#### 14.5. Environmental hazards

Environmentally hazardous: Yes Marine pollutant: No

#### 14.6. Special precautions for user

Tunnel code: E

Transport category: 3

### Section 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH205: Contains epoxy constituents. May produce an allergic reaction.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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