



## SAFETY DATA SHEET FOSROC PRIMER MS2 PART A

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

**Product Name** FOSROC PRIMER MS2 PART A

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

**Identified uses** Two component product for priming and sealing of surfaces.

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

**Supplier:** FOSROC Limited  
Drayton Manor Business Park  
Coleshill Road  
Tamworth  
Staffordshire  
B78 3TL  
Tel. +44 (0) 1827 262222  
Fax. +44 (0) 1827 262444  
enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

+44 (0) 1827 265 279 (08.30 to 17.00hrs Mon - Thu; 08.30 to 16.00hrs Fri)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Xi;R36/38. R43. N;R51/53. R10, R67.

#### Human Health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Prolonged skin contact may cause redness and irritation. May cause allergic skin disorders in sensitive individuals. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin. The product is irritating to eyes and skin.

#### Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### Physical And Chemical Hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

#### 2.2. Label elements

**Contains:** EPOXY NOVOLAC RESIN

#### Labelling



Irritant



Dangerous for the environment

#### Risk Phrases

|        |   |
|--------|---|
| R10    | Flammable.  |
| 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. |
| R67    | Vapours may cause drowsiness and dizziness.   |

## FOSROC PRIMER MS2 PART A

### Safety Phrases

|        |   |
|--------|---|
| S24/25 | Avoid contact with skin and eyes.   |
| S26    | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S37    | Wear suitable gloves.   |
| S51    | Use only in well-ventilated areas.  |
| S57    | Use appropriate containment to avoid environmental contamination.                             |
| S60    | This material and its container must be disposed of as hazardous waste.                       |
| S61    | Avoid release to the environment. Refer to special instructions/safety data sheets.           |
| P5     | Contains epoxy constituents. See information supplied by the manufacturer.                    |

### 2.3. Other hazards

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|  |  |
|--|--|
| <b>EPOXY NOVOLAC RESIN</b>   | <b>60-100%</b>   |
| <b>CAS-No.: 28064-14-4</b>   | <b>EC No.:</b>   |
| Classification (EC 1272/2008)<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411  | Classification (67/548/EEC)<br>Not classified.                                 |
| <b>BUTANOL-norm</b>  | <b>5-10%</b>   |
| <b>CAS-No.: 71-36-3</b>  | <b>EC No.: 200-751-6</b>   |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>STOT Single 3 - H335<br>STOT Single 3 - H336 | Classification (67/548/EEC)<br>R10<br>Xn;R22<br>Xi;R37/38,R41<br>R67           |
| <b>SOLVENT NAPHTHA</b>   | <b>5-10%</b>   |
| <b>CAS-No.: 64742-95-6</b>   | <b>EC No.: 265-199-0</b>   |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>EUH066<br>STOT Single 3 - H335, H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                           | Classification (67/548/EEC)<br>Xn;R65.<br>Xi;R37.<br>N;R51/53.<br>R10,R66,R67. |
| <b>1-METHOXY-2-PROPANOL</b>  | <b>1-5%</b>  |
| <b>CAS-No.: 107-98-2</b>   | <b>EC No.: 203-539-1</b>   |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT Single 3 - H336   | Classification (67/548/EEC)<br>R10<br>R67                                      |

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|  |  |                          |
|--|--|--------------------------|
| <b>1,2,4-TRIMETHYLBENZENE</b>  |  | <b>1-5%</b>              |
| <b>CAS-No.: 95-63-6</b>  |  | <b>EC No.: 202-436-9</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT Single 3 - H335<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>R10<br>Xn;R20<br>Xi;R36/37/38<br>N;R51/53 |                          |
| <b>MESITYLENE</b>  |  | <b>1-5%</b>              |
| <b>CAS-No.: 108-67-8</b>   |  | <b>EC No.: 203-604-4</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT Single 3 - H335<br>Aquatic Chronic 2 - H411   | Classification (67/548/EEC)<br>R10<br>Xi;R37<br>N;R51/53                 |                          |
| <b>XYLENE</b>  |  | <b>&lt; 1%</b>           |
| <b>CAS-No.: 1330-20-7</b>  |  | <b>EC No.: 215-535-7</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315   | Classification (67/548/EEC)<br>R10<br>Xn;R20/21<br>Xi;R38                |                          |
| <b>CUMENE</b>  |  | <b>&lt; 1%</b>           |
| <b>CAS-No.: 98-82-8</b>  |  | <b>EC No.: 202-704-5</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT Single 3 - H335<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411   | Classification (67/548/EEC)<br>R10<br>Xn;R65<br>Xi;R37<br>N;R51/53       |                          |

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### **Composition Comments**

The data shown are in accordance with the latest EC Directives.

## **SECTION 4: FIRST AID MEASURES**

### **4.1. Description of first aid measures**

#### **General Information**

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

#### **Inhalation.**

Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

#### **Ingestion**

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

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### **Skin Contact**

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

### **Eye Contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

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

#### **General Information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Upper respiratory irritation.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin Contact**

May cause skin irritation/eczema.

#### **Eye Contact**

Irritation of eyes and mucous membranes.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

#### **Extinguishing Media**

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

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

#### **Unusual Fire & Explosion Hazards**

Fire causes formation of toxic gases.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### **Protective Measures In Fire**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

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

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### **6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

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Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Name                   | STD | TWA - 8 Hrs |           | STEL - 15 Min |           | Notes |
|------------------------|-----|-------------|-----------|---------------|-----------|-------|
|                        |     |             |           |               |           |       |
| 1,2,4-TRIMETHYLBENZENE | WEL | 25 ppm      | 125 mg/m3 |               |           |       |
| 1-METHOXY-2-PROPANOL   | WEL | 100 ppm     | 375 mg/m3 | 150 ppm       | 560 mg/m3 | Sk    |
| BUTANOL-norm           | WEL |             |           | 50 ppm        | 154 mg/m3 | Sk    |
| CUMENE                 | WEL | 25 ppm      | 125 mg/m3 | 50 ppm        | 250 mg/m3 | Sk    |
| MESITYLENE             | WEL | 25 ppm      | 125 mg/m3 |               |           |       |
| SOLVENT NAPHTHA        | WEL | 19 ppm      |           |               |           |       |
| XYLENE                 | WEL | 50 ppm      | 220 mg/m3 | 100 ppm       | 441 mg/m3 | Sk    |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### Protective Equipment



#### Process Conditions

Provide eyewash station.

#### Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

#### Respiratory Equipment

Wear mask supplied with:

Gas cartridge suitable for organic substances.

#### Hand Protection

Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

#### Eye Protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Use engineering controls to reduce air contamination to permissible exposure level.

#### Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

#### Appearance

Liquid

#### Colour

Brown

#### Odour

Aromatic.

#### Solubility

Insoluble in water

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|  |              |
|--|--------------|
| <b><u>Initial Boiling Point and Boiling Range:</u></b> | 140 °C       |
| <b><u>Relative Density</u></b>                         | 1.04 at 20°C |
| <b><u>Flash Point (°C)</u></b>                         | 30 °C        |
| <b><u>Auto Ignition Temperature (°C)</u></b>           | 500 °C       |

### **9.2. Other information**

None.

## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

No particular stability concerns.

### **10.3. Possibility of hazardous reactions**

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

### **Hazardous Polymerisation**

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

Strong acids. Strong oxidising substances.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### **General Information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### **Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### **Ingestion.**

Gastrointestinal symptoms, including upset stomach.

#### **Skin Contact**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. May cause sensitisation by skin contact.

#### **Eye Contact**

Irritating to eyes.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### **12.1. Toxicity**

#### **Acute Fish Toxicity**

The product contains a substance which is toxic to aquatic organisms.

### **12.2. Persistence and degradability**

#### **Degradability:**

The product contains substances which are not expected to be biodegradable.

### **12.3. Bioaccumulative potential**

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## Bioaccumulative Potential:

No data available on bioaccumulation.

## 12.4. Mobility in soil

### Mobility:

The product contains volatile substances, which may spread in the atmosphere.

## 12.5. Results of PBT and vPvB assessment

Assessment not carried out but this product is believed not to be a PBT nor a vPvB.

## 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

### 14.2 UN Proper shipping name

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (BUTANOL-norm, EPOXY NOVOLAC RESIN)

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

### Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

## FOSROC PRIMER MS2 PART A



### **14.6. Special precautions for user**

|                                |          |
|--------------------------------|----------|
| <b>EMS</b>                     | F-E, S-E |
| <b>Emergency Action Code</b>   | •3YE     |
| <b>Hazard No. (ADR)</b>        | 30       |
| <b>Tunnel Restriction Code</b> | (D/E)    |

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not relevant.

## **SECTION 15: REGULATORY INFORMATION**

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

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **Approved Code Of Practice**

Safety Data Sheets for Substances and Preparations.

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **Guidance Notes**

CHIP for everyone HSG(108).

#### **EU Legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### **National Regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

#### **General Information**

Only trained personnel should use this material.

#### **Revision Comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision Date** 14/08/2012

**Revision** 3



## FOSROC PRIMER MS2 PART A

### Risk Phrases In Full

|           |   |
|-----------|---|
| R10       | Flammable.  |
| R20/21    | Harmful by inhalation and in contact with skin.   |
| R20       | Harmful by inhalation.  |
| R22       | Harmful if swallowed.   |
| R65       | Harmful: may cause lung damage if swallowed.  |
| R36/38    | Irritating to eyes and skin.  |
| R36/37/38 | Irritating to eyes, respiratory system and skin.  |
| R37/38    | Irritating to respiratory system and skin.  |
| R37       | Irritating to respiratory system.   |
| R38       | Irritating to skin.   |
| R43       | May cause sensitisation by skin contact.  |
| R66       | Repeated exposure may cause skin dryness or cracking.                                       |
| R41       | Risk of serious damage to eyes.   |
| R51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67       | Vapours may cause drowsiness and dizziness.   |

### Hazard Statements In Full

|        |   |
|--------|---|
| H318   | Causes serious eye damage.                            |
| H319   | Causes serious eye irritation.                        |
| H315   | Causes skin irritation.                               |
| H226   | Flammable liquid and vapour.                          |
| H332   | Harmful if inhaled.                                   |
| H302   | Harmful if swallowed.                                 |
| H312   | Harmful in contact with skin.                         |
| H304   | May be fatal if swallowed and enters airways.         |
| H317   | May cause an allergic skin reaction.                  |
| H336   | May cause drowsiness or dizziness.                    |
| H335   | May cause respiratory irritation.                     |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H411   | Toxic to aquatic life with long lasting effects.      |

### Disclaimer

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

## SAFETY DATA SHEET

### FOSROC PRIMER MS2 PART B

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

**Product Name** FOSROC PRIMER MS2 PART B

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

**Identified uses** Hardener component of two part epoxy system

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

**Supplier:** FOSROC Limited  
 Drayton Manor Business Park  
 Coleshill Road  
 Tamworth  
 Staffordshire  
 B78 3TL  
 Tel. +44 (0) 1827 262222  
 Fax. +44 (0) 1827 262444  
 enquiryuk@fosroc.com

##### 1.4. Emergency telephone number

+44 (0) 1827 265 279 (08.30 to 17.00hrs Mon - Thu; 08.30 to 16.00hrs Fri)

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Xn;R20/22. C;R34. R52/53.

##### Human Health

Corrosive. Prolonged contact causes serious eye and tissue damage.

##### Environment

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

##### 2.2. Label elements

##### Contains:

BENZYL ALCOHOL  
 FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED  
 4,4'-METHYLENEBISCYCLOHEXANAMINE

##### Labelling



Corrosive



Harmful

##### Risk Phrases

|        |   |
|--------|---|
| R20/22 | Harmful by inhalation and if swallowed.   |
| R34    | Causes burns.   |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

##### Safety Phrases

|           |   |
|-----------|---|
| S24/25    | Avoid contact with skin and eyes.   |
| 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.                            |

## FOSROC PRIMER MS2 PART B

|     |   |
|-----|---|
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). |
| S51 | Use only in well-ventilated areas.  |
| S60 | This material and its container must be disposed of as hazardous waste.                                 |

### 2.3. Other hazards

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|  |   |
|--|---|
| <b>BENZYL ALCOHOL</b>  | <b>30-60%</b>   |
| <b>CAS-No.: 100-51-6</b>   | <b>EC No.: 202-859-9</b>                                      |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H332                              | Classification (67/548/EEC)<br>Xn;R20/22                      |
| <b>FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED</b>   | <b>30-60%</b>   |
| <b>CAS-No.: 135108-88-2</b>  | <b>EC No.:</b>  |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Skin Corr. 1B - H314                             | Classification (67/548/EEC)<br>Xn;R22.<br>C;R34.              |
| <b>4,4'-METHYLENEBIS(CYCLOHEXANAMINE)</b>  | <b>1-5%</b>   |
| <b>CAS-No.: 1761-71-3</b>  | <b>EC No.:</b>  |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Skin Corr. 1A - H314<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>Xn;R22.<br>C;R35.<br>N;R51/53. |
| <b>TRIMETHOXY (2,4,4-TRIMETHYL PENTYL)SILANE</b>   | <b>1-5%</b>   |
| <b>CAS-No.: 34396-03-7</b>   | <b>EC No.: 251-995-5</b>                                      |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Aquatic Chronic 3 - H412                         | Classification (67/548/EEC)<br>R10,R52/53.                    |
| <b>2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL</b>   | <b>1-5%</b>   |
| <b>CAS-No.: 90-72-2</b>  | <b>EC No.: 202-013-9</b>                                      |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319      | Classification (67/548/EEC)<br>Xn;R22<br>Xi;R36/38            |

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|   |  |                          |
|---|--|--------------------------|
| <b>TETRAETHYL SILICATE</b>  |  | <b>1-5%</b>              |
| <b>CAS-No.: 78-10-4</b>   |  | <b>EC No.: 201-083-8</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H332<br>Eye Irrit. 2 - H319<br>STOT Single 3 - H335                        | Classification (67/548/EEC)<br>R10<br>Xn;R20<br>Xi;R36/37        |                          |
| <b>POLYDIMETHYL SILOXANE</b>  |  | <b>1-5%</b>              |
| <b>CAS-No.: 67923-07-3</b>  |  | <b>EC No.:</b>           |
| Classification (EC 1272/2008)<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318  | Classification (67/548/EEC)<br>Xi;R38,R41.                       |                          |
| <b>METHANOL</b>   |  | <b>&lt; 1%</b>           |
| <b>CAS-No.: 67-56-1</b>   |  | <b>EC No.: 200-659-6</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>STOT Single 1 - H370 | Classification (67/548/EEC)<br>F;R11<br>T;R23/24/25,R39/23/24/25 |                          |
| <b>ACETIC ACID ...%</b>   |  | <b>&lt; 1%</b>           |
| <b>CAS-No.: 64-19-7</b>   |  | <b>EC No.: 200-580-7</b> |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Skin Corr. 1A - H314  | Classification (67/548/EEC)<br>R10<br>C;R35                      |                          |

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

##### **Inhalation.**

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### **Ingestion**

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Get medical attention immediately! Provide rest, warmth and fresh air.

##### **Skin Contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

##### **Eye Contact**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

##### **General Information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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### Inhalation.

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

### Ingestion

May cause chemical burns in mouth and throat.

### Skin Contact

Chemical burns.

### Eye Contact

Corneal damage.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

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

#### Specific Hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Use supplied air respirator if product is involved in a fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not allow ANY environmental contamination.

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

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

### 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

#### Storage Class

Corrosive storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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| Name             | STD | TWA - 8 Hrs |                            | STEL - 15 Min |                            | Notes |
|------------------|-----|-------------|----------------------------|---------------|----------------------------|-------|
| ACETIC ACID ...% | WEL |             | 25 mg/m <sup>3</sup>       |               |                            |       |
| METHANOL         | WEL | 200 ppm(Sk) | 266 mg/m <sup>3</sup> (Sk) | 250 ppm(Sk)   | 333 mg/m <sup>3</sup> (Sk) |       |

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective Equipment



#### Engineering Measures

Provide adequate general and local exhaust ventilation.

#### Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

#### Hand Protection

Use protective gloves.

#### Eye Protection

Use approved safety goggles or face shield.

#### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Environmental Exposure Controls

Refer to section 6 or 12.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|   |                            |
|---|----------------------------|
| <u>Appearance</u>                               | Liquid                     |
| <u>Colour</u>                                   | Straw                      |
| <u>Odour</u>                                    | Amine.                     |
| <u>Solubility</u>                               | Slightly soluble in water. |
| <u>Initial Boiling Point and Boiling Range:</u> | >200 °C                    |
| <u>Flash Point (°C)</u>                         | 107 °C                     |

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Oxidising materials.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid contact with strong oxidisers.

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### **10.5. Incompatible materials**

#### **Materials To Avoid**

Reacts violently with strong oxidising substances.

### **10.6. Hazardous decomposition products**

Ammonia or amines.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### **Inhalation**

Harmful by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

#### **Ingestion.**

Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach.

#### **Skin Contact**

Causes burns. Harmful in contact with skin.

#### **Eye Contact**

Causes burns.

#### **Target Organs**

Skin Eyes Respiratory system, lungs

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

### **12.1. Toxicity**

#### **Acute Fish Toxicity**

May cause long-term adverse effects in the aquatic environment.

### **12.2. Persistence and degradability**

#### **Degradability:**

The product is not expected to be biodegradable.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative Potential:**

No data available on bioaccumulation.

### **12.4. Mobility in soil**

#### **Mobility:**

The product has poor water-solubility.

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

Assessment not carried out but this product is believed not to be a PBT nor a vPvB.

### **12.6. Other adverse effects**

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### **General Information**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### **14.1. UN number**

**UN No. (ADR/RID/ADN)** 1760

**UN No. (IMDG)** 1760

## FOSROC PRIMER MS2 PART B

**UN No. (ICAO)** 1760

### **14.2 UN Proper shipping name**

**Proper Shipping Name** CORROSIVE LIQUID, N.O.S. (FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED, 4, 4'-METHYLENEBISCYCLOHEXANAMINE)

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

**ADR/RID/ADN Class** 8  
**ADR/RID/ADN Class** Class 8: Corrosive substances.  
**ADR Label No.** 8  
**IMDG Class** 8  
**ICAO Class/Division** 8  
**Transport Labels**



### **14.4. Packing group**

**ADR/RID/ADN Packing group** III  
**IMDG Packing group** III  
**ICAO Packing group** III

### **14.5. Environmental hazards**

#### **Environmentally Hazardous Substance/Marine Pollutant**

No.

### **14.6. Special precautions for user**

**EMS** F-A, S-B  
**Emergency Action Code** 2X  
**Hazard No. (ADR)** 80  
**Tunnel Restriction Code** (E)

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not relevant.

## SECTION 15: REGULATORY INFORMATION

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

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

#### **EU Legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### **National Regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

### **15.2. Chemical Safety Assessment**



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No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

#### General Information

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

#### Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 14/08/2012

Revision 3

#### Risk Phrases In Full

|              |   |
|--------------|---|
| R34          | Causes burns.   |
| R35          | Causes severe burns.  |
| R10          | Flammable.  |
| R20/22       | Harmful by inhalation and if swallowed.   |
| R20          | Harmful by inhalation.  |
| R22          | Harmful if swallowed.   |
| R52/53       | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.                 |
| R11          | Highly flammable.   |
| R36/37       | Irritating to eyes and respiratory system.  |
| R36/38       | Irritating to eyes and skin.  |
| R38          | Irritating to skin.   |
| R41          | Risk of serious damage to eyes.   |
| R23/24/25    | Toxic by inhalation, in contact with skin and if swallowed.   |
| R51/53       | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.                   |
| R39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. |

#### Hazard Statements In Full

|      |  |
|------|--|
| H370 | Causes damage to organs <<Organs>>.                |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H226 | Flammable liquid and vapour.                       |
| H332 | Harmful if inhaled.                                |
| H302 | Harmful if swallowed.                              |
| H412 | Harmful to aquatic life with long lasting effects. |
| H225 | Highly flammable liquid and vapour.                |
| H335 | May cause respiratory irritation.                  |
| H331 | Toxic if inhaled.                                  |
| H301 | Toxic if swallowed.                                |
| H311 | Toxic in contact with skin.                        |
| H411 | Toxic to aquatic life with long lasting effects.   |

#### Disclaimer

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.