

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: METPREP LTD.  
CURRIERS CLOSE  
CHARTER AVENUE  
COVENTRY CV4 8AW

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

FAX: 024 7642 1192

CHEMICAL NAME:

PRODUCT: EPOSET RESIN

PRODUCT NUMBERS: 11 10 61, 11 10 63

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE: low viscosity epoxy resin

INGREDIENT (S):	CAS NUMBER:	%:	HAZARD SYMBOL:	R PHRASES:
Epoxy resin (Number MW<700)	25068-38-6	60-100	Xi	36/38,43
2-ethylhexyl glycidyl ether	2461-15-6	10-30	Xi	43

### 3. HAZARDS IDENTIFICATION

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.

### 4. FIRST AID MEASURES

GENERAL INFORMATION: Remove contaminated or saturated clothing immediately.

INHALATION: Possible discomfort. Irritation of mucous lining (nose, throat, eyes) cough, sneezing, flow of tears. Take affected persons out into fresh air. In case of persistent discomfort seek medical attention.

SKIN: When contact with skin, rinse immediately with soap and water.

EYE: Irrigate with eyewash solution or clear water, holding the eyelids apart, for at least 5 minutes. Obtain immediate medical attention.

INGESTION: Do not induce vomiting. Wash out mouth with water and give drink plenty of water. Give 5 tablespoons of active carbon stirred in as little water as possible. Obtain medical attention. Never give anything by mouth to an unconscious person. Call a physician.

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry Sand, foam, dry powder or CO<sub>2</sub>. Keep fire exposed containers cool by spraying with water.

UNSUITABLE EXTINGUISHING MEDIA: High-pressure water jet.

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

FURTHER INFORMATION: Burning produces obnoxious and toxic fumes. CarbonOxides. Carbonyl compounds

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PECAUTIONS: Do not breathe vapours. Eliminate sources of ignition – No smoking. Avoid contact with skin, eyes & clothing.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into drains. Do not contaminate surface water. Avoid subsoil penetration. METHODS OF CLEANING UP: Adsorb spillages onto sand, earth or any suitable adsorbent material. Do

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not adsorb onto sawdust or other combustible materials. Transfer to a container for disposal or recovery. Avoid dust formation.

### 7. HANDLING AND STORAGE

**HANDLING:** Irritant. Avoid contact with skin and eyes. Sensitizing. Keep away from sources of ignition – No Smoking  
Avoid inhalation of high concentration of vapors. Use only in well ventilated areas.

**STORAGE:** Keep only in original container. Store in cool, dry place away from heat, sparks, flame and direct sunlight.  
Keep container closed to prevent water absorption and contamination. Keep away from sources of ignition – No Smoking.

**STORAGE TEMPERATURE:** Preferably not exceeding 25 °C.

**INDUSTRIAL HYGIENE PRACTICES:** Wash face and hands thoroughly with the soap and water after use and before eating, drinking, smoking or applying cosmetics.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**ENGINEERING MEASURES:** No special precautions required.

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORS:** Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A suitable mask with filter type A may be appropriate. In the event of formation of particularly high levels of vapor a self-contained breathing apparatus may be appropriate.

**EYE PROTECTION:** Safety glasses or chemical splash goggles.

**GLOVES:** Wear suitable gloves. Rubber or plastic gloves offer the best protection. Gloves should be changed regularly and if excessive exposure has occurred.

**OTHER:** Wear suitable protective clothing.

**PROTECTIVE MEASURES:** Do not breathe vapours/dust. Keep away from sources of ignition – No smoking. Avoid contact skin, eye & clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>FORM:</b>	Liquid	
<b>COLOUR:</b>	Light yellow	
<b>ODOUR:</b>	Slight	
<b>PH</b>	NA at 20 °C	
<b>BOILING POINT:</b>	NA °C	
<b>THERMAL DECOMPOSITION:</b>	>200 °C	
<b>FLASH POINT:</b>	>200 °C	DIN 51758
<b>VAPOUR PRESSURE:</b>	NA at 20 °C	
<b>SPECIFIC GRAVITY:</b>	1012 mg/m <sup>3</sup>	
<b>WATER SOLUBILITY:</b>	Insoluble at 20 °C	
<b>MISCIBILITY WITH WATER:</b>		
<b>VISCOSITY:</b>	800 - 1500 mPa.s at 25 °C	

### 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Take necessary action to avoid static discharge. Heat and ignition sources; contamination.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents. Strong acids and strong bases.

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HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, Carbonyl compounds. Burning produces obnoxious and toxic fumes

**11. TOXICOLOGICAL INFORMATION**

GENERAL HEALTH HAZARDS:	Skin and eye irritant.
EYE IRRITATION:	Irritating to eyes.
SKIN IRRITATION:	Irritating to skin

**12. ECOLOGICAL INFORMATION**

EXOTOXICITY EFFECTS:

FURTHER INFORMATION ON ECOLOGY: Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.

**13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Incinerate. Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

**14. TRANSPORTATION**

LAND TRANSPORT:	
UN No ROAD:	3082
ADR CLASS No:	Class 9: Miscellaneous dangerous substances and articles.
ADR CLASS:	9
ADR ITEM No:	11c
PROPER SHIPPING NAME I:	Environmentally Hazardous Substance, Liquid, N.O.S.
PROPER SHIPPING NAME II:	Bisphenol A Epoxy Resin
RAIL TRANSPORT:	
RID CLASS No:	9
AIR TRANSPORT –	
UN No., AIR:	3082
ICAO CLASS:	9
AIR PACK GR.:	III
OCEAN TRANSPORT –	
UN No. SEA:	3082

**15. REGULATORY INFORMATION**

EC REGULATIONS –  
 EINECS: all chemical listed  
 EEC Classification: IRRITANT



Xi Irritant

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

Safety Phrases: S24/25 Avoid contact with eyes and skin

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S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable protective gloves.

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

**16. ADDITIONAL INFORMATION**

This data sheet was prepared in accordance with Directive 91/155/EEC.

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