

MATERIAL SAFETY DATA SHEETS (MSDS)

Version: 2
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ENVIRO EPOXY RC Part A

SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name: Enviro Epoxy RC Part A
Manufacturer's Product Code: N/A
Recommended Use: Part A of a two component, solvent free epoxy coating
Company: Waterproofing Technologies Pty Ltd
Address: 295 Princes Highway
St Peters, NSW 2044.
Website: www.envirosystems.com.au
Telephone: +61 2 85958699 (business hours)
Emergency Telephone: Info Safe – 1800 638 556, Poisons Centre – 131126
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SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC
Dangerous goods for transport according to the ADG code.

Hazard Designation: X: Irritant

Safety Phrase(s):

S 28; After contact with skin, wash immediately with plenty of soap and water
S 37/39; Wear suitable protective clothing, gloves and eye/face protection.
S 51; Use only in well ventilated area

Risk Phrase(s):

R 36/38; Irritating to eyes and skin
R 43; May cause sensitization by skin contact

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Name:	CAS No:	Proportion:
Bisphenol F Epoxy Resin	28064-14-4	<10 %
Bisphenol A Epoxy Resin	25085-99-8	30 - 60 %
Alkyl Glycidyl Ether	68609-97-2	<10 %
Xylene	1330-20-7	<10%
Crystalline Silica Quartz	14808-60-7	10-30%
Non hazardous ingredients	-	to 100 %

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SECTION 4 – FIRST AID MEASURES

Ingestion:

Do not induce vomiting. Wash mouth with water and seek medical attention immediately.

Inhalation:

Remove to fresh air. If breathing is difficult give oxygen.

Eye contact:

While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin Contact:

Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.

First aid facilities:

Ensure availability of clean water for eye/skin wash.

Notes to physician:

Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Fire Fighting: Full protective clothing as per personal protection in section 8.

Hazchem Code: None allocated

Extinguishing Media: Foam, CO2 and Dry Chemical

Hazards from combustion products: Oxides of carbon and other possibly toxic fumes from fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Spills and Disposal: Small or major spills should be absorbed with dry, inert filler (soil or sand) which then can be shoveled into appropriately labeled drums for disposal. Disposal of this material should be undertaken by a registered chemical disposal company.

Environmental precautions: Do not discharge into sewers or waterways.

SECTION 7 – HANDLING & STORAGE

Conditions for safe storage:

Storage Requirements: Store in a cool, dry area

Storage Incompatibility: Strong oxidizing agents, acids and alkalis

Temperature Conditions: 5° to 35° C

Protection from weather: Store undercover and away from frost and moisture

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No data exists for the end product, values below are for the raw material only.

Exposure to respirable dust would only be from grinding or otherwise abrading the hardened material.

Xylene TWA 80ppm STEL 150ppm

Silica Crystalline Quartz (14808-60-7) TWA 0.1mg/m³ (NOHSC)

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Personal Protection:

Eye: Chemical worker's goggles

Body: Overalls clothing

Hands: Long PVC or nitrile rubber gauntlets

Respiratory: Type A1 if ventilation is inadequate

All other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

Engineering controls: Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Neutral coloured low viscosity liquid with a mild odour
Flash Point:	52°C
Boiling Point:	Not determined
Melting Point:	Not available
Specific Gravity:	ca. 1.21
pH:	NA
Solubility in water:	Insoluble
Flammability:	
Lower Limit:	Not applicable
Higher Limit:	Not applicable
Vapor pressure:	< 0.01

SECTION 10 – CHEMICAL STABILITY & REACTIVITY INFORMATION

Hazard of use/storage: Stable under normal storage and application temperature.

Materials to avoid: Keep away from oxidizing agents, acids and alkalis.

Hazardous decomposition products: Oxides of carbon and other possibly toxic fumes from fire.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Health effects:

Eye: May cause eye irritation and redness.

Skin: Mild skin irritation and redness from prolonged contact.

Inhaled: Exposure to respirable dust should be avoided as silica crystalline quartz (14808-60-7) is classified as a human carcinogen (IARC Group 1).

Ingestion: Only very slightly toxic. [Oral, rat LD50 > 5000mg/kg]

Chronic effects: Susceptible individuals may develop allergic reactions such as dermatitis or asthma like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact. Hence it is imperative that all forms of exposure be kept to an absolute minimum.

SECTION 12 – ECOLOGICAL INFORMATION

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Ecotoxicity: No data is available for this material

Persistence/Degradability: No data is available for this material

Mobility: No data is available for this material

Environ. Protection: Do not discharge into sewers or waterways

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods:

State/Territory Authority: Observe all Federal, State and Local regulations

Dispose: Secure landfill.

Dispose: In high temp incinerator.

Precautions for clean up crew: Full protective clothing as per personal protect. in section 8

SECTION 14 – TRANSPORT INFORMATION

UN number:	1263
Dangerous goods class:	3
Subsidiary risk:	None allocated
EPG card:	None allocated
Shipping name:	Paint
Packing group:	III
Poisons schedule:	5
Hazchem code:	3Y

SECTION 15 – REGULATORY INFORMATION

SUSDP Schedule (Aust): 5

Australian Inventory: Listed

Control Scheduled Carcinogenic Substances: No listed substances

SECTION 16 – OTHER INFORMATION

Material Safety Data Sheets are updated regularly. Please ensure you have a current copy. MSDS can be obtained from our website: www.envirosystems.com.au

The MSDS should be used to assist in the Risk Management. Many other factors determine whether the reported Hazards are risks in any given workplace. Specific Risks may be determined by reference to various Exposure Scenarios, Scale of use, Frequency of use and current or available engineering controls must be considered.

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Emergency Telephone: Info Safe – 1800 638 556, Poisons Centre – 131126