

**PRODUCT: EPOXY PUTTY HARDENER
PART B**

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SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Epoxy Putty Hardener (Part B)
Manufacturer's Product Code: EPPYL1, EPPYL2, EPPYL4, EPPYL8, EPPYL20
Other Names: None
Recommended Uses: Use with Epoxy Putty Resin for repairing concrete

Ramset Fasteners (Aust) Pty Limited ACN 004 297 009
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Telephone: 03 9726 6222
Emergency Telephone Number: 03 9726 6222 (Monday to Friday. 8 am to 5 pm EST)

SECTION 2: HAZARDS IDENTIFICATION

- Classified as Hazardous according to criteria of NOHSC -

Risk Phrases

Harmful by inhalation, in contact with skin and by ingestion
Causes burns
Risk of serious damage to eyes
May cause skin sensitisation by skin contact
Harmful to aquatic organisms
May cause long term adverse effects in the aquatic environment
Irritating to eyes and skin. Vapour may be irritating to respiratory tract

Safety Phrases

Avoid contact with skin and eyes. Avoid breathing vapour.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Chemical Identity	CAS Number	Proportion
Triethylene tetramine (TETA)	14808-60-7	5 - 15%
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	5 - 10%
4,4 - isopropylidenediphenol	80-05-7	0 - 5%
Ingredients not classified as hazardous		To 100%

SECTION 4: FIRST AID MEASURES

Swallowed: Rinse mouth thoroughly with water immediately. Do NOT induce vomiting. Give 1 or 2 glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Seek immediate medical assistance.

Eye: Immediately irrigate with copious quantities of water for at least 15 minutes, eyelids held open. Seek immediate medical assistance.

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Skin: Wash thoroughly with plenty of mild soap and water. Ensure all traces of the material is removed from the skin. Remove contaminated clothing and wash before re-use. Apply a sterile dressing and seek immediate medical advice.

Inhaled: Remove affected person to fresh air and seek medical attention. In cases where there is loss of consciousness, remove affected person to fresh air and place in the recovery position. Seek medical attention immediately. First aiders should take protective measures to ensure their own safety.

First Aid Facilities

Eye wash station, safety shower, washroom facilities.

SECTION 5: FIRE FIGHTING MEASURES

Material is combustible

Suitable Extinguishing MediaWater, carbon dioxide (CO₂), dry chemical or foam**Hazardous products of combustion**

Carbon monoxide, carbon dioxide, oxides of nitrogen and other hazardous products of combustion

Special protective precautions and equipment for firefighters

Wear full protective suit and self-contained breathing apparatus

Hazchem code

None

Emergency action in case of fire

Keep containers cool with water spray

SECTION 6: ACCIDENTAL RELEASE MEASURES**Emergency procedures**

Avoid contact with skin and eyes. Avoid inhalation of vapour. Wear protective clothing, impervious gloves, eyewear and respiratory protection if in confined space.

Methods and materials for containment and clean up

Contain spillage using absorbent (soil, sand, sawdust, vermiculite or other inert material). Scrape up and seal in properly labelled drums for disposal in accordance with local regulations. Remove residue from contaminated surfaces using water and detergent.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling**

Avoid contact with skin and eyes and avoid breathing vapour. Use in well ventilated area. Wear protective clothing, impervious gloves and goggles or face shield.

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Conditions for safe storage, including any incompatibilities

Class 8 corrosive

Store in a cool place out of direct sunlight. Store in well ventilated area. Keep containers closed when not in use. Store only in original containers. Store away from ignition sources, oxidising agents, foodstuffs and clothing.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**National exposure standards**

None for compounded product or its constituents

Engineering controls

Dilution ventilation in enclosed areas

Personal protective equipment

Safety goggles or face shield, PVC, neoprene or nitrile rubber gloves, enclosed footwear, overalls or other clothing to protect bare skin. Wear exposure to vapour cannot be reduced by ventilation or other means, wear an organic vapour respirator complying with AS1716.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Appearance:** Black paste**Odour:** Amine**pH:** Not established**Vapour Pressure:** Not available**Boiling Point / Range:** Not established**Freezing / Melting Point:** Not established**Solubility in Water:** Insoluble**Specific Gravity:** Approximately 0.96 g / ml**Flashpoint and Method:** >100°C (PMCC)**Flammability Limit:** Not applicable**Explosive Limit:** Not applicable**Ignition Temperature:** Not applicable**Other Properties:**

None

SECTION 10: STABILITY AND REACTIVITY**Chemical stability:** Stable**Incompatible materials:** Oxidising agents, strong acids**Hazardous decomposition products:** None**Hazardous reactions:** None. Reaction with epoxy resin will result in formation of solid polymer, which may be accompanied by considerable exotherm and generation of heat

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SECTION 11: TOXICOLOGICAL INFORMATION

No data for compounded product

SECTION 12: ECOLOGICAL INFORMATION

Do not allow to enter waterways. Harmful to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Incinerate waste in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: 1760

UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S. – Contains amines

Class and subsidiary risk: 8

Packaging Group: III

Hazchem Code: 2X

Special Precautions for User: Dangerous goods of class 8 are incompatible in a placard load with Class 1, Class 4.3, Class 5 and Class 6 if Class 6 dangerous goods are cyanides and Class 8 are acids (this material is not acidic), and Class 7.

Transport in original containers. Not to be loaded with foodstuffs. Store in cool, dry, well ventilated place out of direct sunlight. Store away from foodstuffs.

SECTION 15: REGULATORY INFORMATION

Poisons Schedule: 5

NICNAS Status: All components are listed on the AICS

SECTION 16: OTHER INFORMATION

None