

**Product Name : EPOXY GROUT HARDENER**

Ramset NZ

**Other Names** : None

A Division of ITW NZ Ltd

**Part No.** : EPGRL2, EPGRL4

PO Box 40-031

**MSDS No.** : NZ1901 (Read in conjunction with NZ1902)

Glenfield. Auckland

**Date & Issue** : Nov. 03 – Issue 1

www.ramset.co.nz

**1: RECOMMENDED USE**

Curing agent for Ramset Epoxy Resin Systems

**2: HAZARDS IDENTIFICATION**

|                 |        |                  |        |
|-----------------|--------|------------------|--------|
| UN No           | : 1760 | Hazchem Code     | : 3X   |
| Hazard Class    | :      | Poisons Schedule | : S5   |
| Subsidiary Risk | : None | CAS No           | : None |
| SPEC EPG        | : None | G T EPG          | : 8A1  |
| NIOSH           | : None | Packing Group    | : III  |
| D G Class       | : 8    | IMDG             | : None |

**3: PHYSICAL DESCRIPTION & PROPERTIES**

|                     |                                   |                  |                                     |
|---------------------|-----------------------------------|------------------|-------------------------------------|
| Appearance          | : Transparent liquid, amine odour | Flammability Ltd | : Non flammable                     |
| Specific Gravity    | : Approx. 0.96                    | Boiling Point    | : Not specified                     |
| Form                | : Liquid                          | Melting Point    | : Not specified                     |
| Vapor Pressure      | : 4                               | Flashpoint       | : >100° (Pensky Martens Closed Cup) |
| Solubility in Water | : Insoluble                       | Other            | : None specified                    |

**4: COMPOSITION / INFORMATION ON INGREDIENTS**

|                         |  |                    |
|-------------------------|--|--------------------|
| Chemical Name           | (CAS No)   | Content Proportion |
| Isophoronediamine       | : 2855-13-2  | : High             |
| Benzyl alcohol          | : 100-51-6   | : Low              |
| Paratertiarybutylphenol | : 98-54-4  | : Medium           |
| Contents                | : <b>H</b> igh >60% <b>M</b> edium 10 – 60% <b>L</b> ow 1 – 10% <b>V</b> ery Low <1% |                    |

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**5: HEALTH HAZARD INFORMATION****\*\*TAKE A COPY OF THIS MSDS TO THE DOCTOR\*\*****HEALTH EFFECTS: ACUTE:**Eyes

Severe eye irritant. Liquid will cause burns. High concentration of vapour may cause irritation

Skin

Corrosive to skin – prolonged contact may cause irritation or burns. Repeated or prolonged contact may lead to dermatitic effects. Repeated or prolonged exposure may cause skin sensitization.

Inhaled

High concentrations of vapour can cause severe irritation of the respiratory tract. Possible allergic reactions, respiratory sensitizer.

Swallowed

Will cause severe damage to the mucous membranes.

**HEALTH EFFECTS: CHRONIC:**

Knowledge is based on that of the constituents. Repeated or prolonged skin contact can cause asthma and skin sensitization, dermatitis or other allergic response.

**FIRST AID**Eyes

Immediate irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

Skin

Wash thoroughly with plenty of mild soap and water. Make sure all traces of material are removed from the skin. Remove contaminated clothing and wash before re-use. If irritation, swelling or reddening occurs seek medical advice.

Inhaled

Remove victim to fresh air. Allow patient to assume most comfortable position and keep warm. Recovery should be rapid after removal from exposure. Keep at rest until fully recovered. Seek medical advice if effects persist.

Swallowed

Seek immediate medical assistance. Give water or milk to drink. DO NOT induce vomiting.

Advice to Doctor

Treat symptomatically.

First Aid facilities

Ensure that eye wash is readily accessible.

Toxicity data

No data available for the compounded product.

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**6: PRECAUTIONS FOR USE****EXPOSURE LIMITS:**

No data available for the compounded product

**VENTALATION:**

Use with adequate ventilation. Must be sufficient to prevent breathing of vapour. General factory or outdoor ventilation will normally be sufficient, if working in enclosed or poorly ventilated areas the use of mechanical ventilation may be required.

**PERSONAL PROTECTION:**Eyes

Goggles

Hands & Feet

Long impervious gloves

RespiratoryOther

Avoid contact with skin or eyes and avoid breathing the vapour. Where there is insufficient ventilation, avoid breathing in dust or vapours by wearing an AS1716 approved respiratory mask. Always wash hands before smoking, eating, drinking or using the toilet.

**FLAMABILITY:**

Will burn if involved in a fire but not considered to be a significant fire risk.

**ENVIROMENT:**

Prevent spillage from entering waterways or drains.

**OTHER PRECAUTIONS:**

Polymerisation with considerable heat build up will occur if masses &gt; 0.5kg are mixed epoxy resins in uncontrolled conditions. Always observe adequate standards of industrial hygiene. Avoid breathing vapour and avoid any contact with the skin.

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**7: SAFE HANDLING & STORAGE****STORAGE & TRANSPORT:**

Most be stored between 5°C and 35°C maximum. Store away from incompatible materials, strong oxidizing agents and acids.

**PACKAGING & LABELLING:**

Store in original containers, unapproved plastic containers are incompatible.

**SPILLS & DISPOSALS:**

In case of spill, wear personal protection as indicated previously. Absorb with dry inert material such as sand or earth. Prevent any contamination of drains or waterways. Scrape up and seal in properly labeled drums for disposal. Remove residue from contaminated areas with specific clean-up solution or use water and detergent. Observe local regulations when disposing of waste material.

**OTHER PRECAUTIONS:****8: FLAMABILITY**

|                           |   |  |                       |   |      |
|---------------------------|---|--|-----------------------|---|------|
| Fire/Explosion hazard     | : |  | Upper Explosion Limit | : | None |
| Extinguishing Media       | : | Water mist, CO <sub>2</sub> , Foam, Dry Powder | Lower Explosion Limit | : | None |
| May Decompose Explosively | : | No   | Dust Explosion Limit  | : | None |

Extinguishing Media

Other

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide and possibly other toxic gases and vapours.

**9: OTHER INFORMATION**

Other Safe Handling

Avoid contact with strong oxidizing agents, mineral acids and epoxy resins under uncontrolled conditions.

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