

**Product Name** : RAMSET EPOXYPUTTY PART A  
**Other Names** :  
**Part No.** : EPPYL1, EPPYL2, EPYL4  
**MSDS No.** : NZ2301 (Read in conjunction with NZ2302)  
**Date & Issue** : NOV 03 / ISSUE A

Ramset NZ  
A Division of ITW NZ Ltd  
PO Box 40-031  
Glenfield, Auckland  
www.ramset.co.nz

### 1: RECOMMENDED USE

Epoxy resin component of a two part adhesive putty

### 2: HAZARDS IDENTIFICATION

UN No	: None	Hazchem Code	: None
Hazard Class	:	Poisons Schedule	: S5
Subsidiary Risk	: None	CAS No	: None
SPEC EPG	: None	G T EPG	: None
NIOSH	: None	Packing Group	: None
D G Class	: None	IMDG	: None

### 3: PHYSICAL DESCRIPTION & PROPERTIES

Appearance	: Off white paste like substance	Flammability Limit	: N/A
Specific Gravity	: Approx 1.5	Boiling Point	: @ 25mm >149°C
Form	: Liquid	Melting Point	:
Vapor Pressure	: N/A	Flashpoint	: >100°C
Solubility in Water	: Insoluble	Other	: None

### 4: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	(CAS No)	Content Proportion
Epoxy Resin:	25085-99-8	Medium
Inert Filler		Medium
Epichlorohydrin	106-89-8	Very low

Contents : **H**igh >60% **M**edium 10 – 60% **L**ow 1 – 10% **V**ery Low <1%

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

The material is mildly irritating to the eyes.

Skin

Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to dermatitic effects. Prolonged or repeated exposure may cause skin sensitisation.

Inhaled:

Not normally an inhalation risk due to low vapour pressure at ambient temperatures.

Swallowed

Moderately toxic. Ingestion can result in nausea.

**HEALTH EFFECTS: CHRONIC:****FIRST AID            Take a copy of this MSDS to the Doctor.**Eyes

Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.

Skin

Wash skin thoroughly with plenty of soap and water. Do not use solvents. Seek medical advice if irritation or reddening occurs. Remove contaminated clothing and wash before re-use.

Inhaled

Remove 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

Give water to drink. DO NOT induce vomiting. Seek medical advice.

Advice to Doctor

Treat symptomatically.

First Aid facilities

Ensure that safety shower and an eye wash bath is readily accessible.

Toxicity data

No data available for the compounded product. Acute oral toxicity (rat) for the components of this product are each in excess of 2000 mg/kg.

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## 6: PRECAUTIONS FOR USE

### EXPOSURE LIMITS:

No data is available for the compounded material, the following data relates to the ingredients of Ramset Epoxy Putty Part A:

Epichlorohydrin: TWA: 2ppm, 7.6m<sup>3</sup>

Epoxy resins are made in reactions involving epichlorohydrin. Therefore it must be assumed that a very small amount of the material will remain in the final product.

Epichlorohydrin has been classified as a category 2 carcinogen (Worksafe Australia) hence it is absolutely essential that all forms of exposure are kept to a minimum by using all of the safety equipment recommended. By doing this the associated problems of sensitisation and dermatitis can be avoided.

### VENTILATION:

Use in an adequately ventilated area. General factory ventilation is normally sufficient. Local exhaust ventilation will be required in confined areas or where natural ventilation is not sufficient to maintain concentration below exposure limits. In poorly ventilated or confined areas the use of a respirator may be required.

### PERSONAL PROTECTION:

Avoid repeated and prolonged skin contact. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing/re-using.

#### Eyes

Safety glasses with side shield. Chemical goggles. Full face shield. Contact lenses pose a special hazard: soft lenses may absorb irritants and all lenses concentrate them.

#### Hands & Feet

PVC gloves. Neoprene gloves. Nitrile rubber gloves. Safety footwear.

### FLAMABILITY:

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

### ENVIRONMENT:

Avoid contaminating waterways.

### OTHER PRECAUTIONS:

Polymerisation with considerable heat build up will occur if masses >0.5kg are mixed with amines in uncontrolled condition. Ensure that people handling this product are not allergic (sensitive) to epoxy resins.

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## 7: SAFE HANDLING & STORAGE

### STORAGE & TRANSPORT:

Store in a cool place and out of direct sunlight. Keep containers closed tightly when not in use. Do not store in conditions of excessive heat or cold. Do not interchange lids between compound and hardener containers.

### PACKAGING & LABELLING:

None assigned.

### SPILLS & DISPOSALS:

Wear appropriate protective equipment when cleaning up spillage. Contain spillage using absorbent (soil, sand, sawdust, vermiculite,) inert material. Prevent any contamination of drains or waterways. Scrape up and seal in properly labelled drums for disposal. Remove residue from contaminated areas with specific clean-up solution or use water and detergent. Observe local regulation when disposing of waste material.

### OTHER PRECAUTIONS:

## 8: FLAMABILITY

Fire/Explosion hazard	: No unusual fire or explosion hazards.	Upper Explosion Limit	: Not determined
Extinguishing Media	: Water mist, CO <sub>2</sub> , Foam, Dry Powder, Carbon Dioxide	Lower Explosion Limit	: Not determined
May Decompose Explosively	: No	Dust Explosion Limit	: No

### Other

Avoid breathing vapour if product is heated.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide, soot and smoke, oxidative products of polymeric materials.

## 9: OTHER INFORMATION

None

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