

Product Name : RAMSET EPOXY PATCH Part A

Ramset NZ

Other Names : None

A Division of ITW NZ Ltd

Part No. : EPPHL1, EPPHL3

PO Box 40-031

MSDS No. : NZ2201(Read in Conjunction with NZ2202)

Glenfield. Auckland

Date & Issue : Nov 03 Issue 1

www.ramset.co.nz

1: RECOMMENDED USE

Epoxy resin component of resin patching system

2: HAZARDS IDENTIFICATION

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

3: PHYSICAL DESCRIPTION & PROPERTIES

Appearance	: Pale yellow liquid, slight odour	Flammability Ltd	: Not applicable
Specific Gravity	: Approx. 1.13	Boiling Point	: Not available
Form	: Liquid	Melting Point	: Not available
Vapor Pressure	: Not available	Flashpoint	: >100°C (ASTM D92-66)
Solubility in Water	: Insoluble	Other	:

4: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	(CAS No)	Content Proportion
Bisphenol A epoxy resin		: High
Benzyl alcohol	: 100-51-6	: Low
Cresyl Glycidal ether	: 26447-14-3	: Medium
epichlorohydrin	: 106-89-8	: Very Low
Contents	: H igh>60% M edium 10 – 60% L ow 1 – 10% V ery Low <1%	

[PRINT DOCUMENT](#)[BACK TO CONTENTS](#)

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: 1 of 4

Product Name : RAMSET EPOXY PATCH Part A**Other Names : None****Part No. : EPPHL1, EPPHL3****MSDS No. : NZ2201(Read in Conjunction with NZ2202)****Date & Issue : Nov 03 Issue 1**

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

A mild eye irritant

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 sensitization.

Inhaled

May be slightly irritant to susceptible individuals.

Swallowed

Slightly toxic. Ingestion can result in nausea.

HEALTH EFFECTS: CHRONIC:

Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms in a single significant skin exposure to may become sensitized to the material on repeated contact.

FIRST AIDEyes

Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.

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 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

Give water to drink. Do not induce vomiting. Seek medical advice.

Advice to Doctor

Treat symptomatically.

First Aid facilities

Ensure that safety shower and eye wash bath are 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 2000mg/kg.

PRINT DOCUMENT**BACK TO CONTENTS****NATIONAL POISONS INFORMATION CENTRE****RAMSET NZ****MSDS's AVAILABLE ON LINE AT****PAGE No****: 0800 764 766****: 09 444 3510****: www.ramset.co.nz****: 2 of 4**

Product Name : RAMSET EPOXY PATCH Part A**Other Names : None****Part No. : EPPHL1, EPPHL3****MSDS No. : NZ2201(Read in Conjunction with NZ2202)****Date & Issue : Nov 03 Issue 1****Ramset NZ****A Division of ITW NZ Ltd****PO Box 40-031****Glenfield. Auckland****www.ramset.co.nz****6: PRECAUTIONS FOR USE****EXPOSURE LIMITS:**

No data is available for the compounded material, the following data relates to the ingredients of Ramset epoxy Patch part A
Epichlorohydrin TWA: 2ppm, 7.6mg/m³

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 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 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 concentrations below exposure limits. In poorly ventilated or confined areas the use of a respirator may be required.

PERSONAL PROTECTION:

Eyes
Safety glasses. Safety glasses with side shields. Chemical goggles. Contact lenses pose a special hazard, soft lenses may absorb irritants and all lenses concentrate them.

Hands & Feet

Nitrile gloves. Polyethylene gloves. Neoprene gloves. Rubber gloves. Safety footwear.

Respiratory

Where sufficient ventilation is not available or if the risk of inhalation of spray mist exists, wear combined organic vapour/particulate respirator. Is using a respirator ensure that the cartridges are correct for the potential air contamination and are in good working order. If cured material made using this product is to be cut or sanded, ensure an appropriate dust mask is worn (class L disposable).

Other

PVC apron. Overalls. Barrier cream. Eyewash unit. Skin cleansing cream. Ensure there is ready access to a safety shower. Equipment should be kept clean and in working order. 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:

Avoid contaminating waterways.

OTHER PRECAUTIONS:

Polymerisation with considerable heat build up will occur if masses >0.5kg are mixed with amines in uncontrolled conditions.

PRINT DOCUMENT**BACK TO CONTENTS****NATIONAL POISONS INFORMATION CENTRE****RAMSET NZ****MSDS's AVAILABLE ON LINE AT****PAGE No****: 0800 764 766****: 09 444 3510****: www.ramset.co.nz****: 3 of 4**

Product Name : RAMSET EPOXY PATCH Part A**Other Names : None****Part No. : EPPHL1, EPPHL3****MSDS No. : NZ2201(Read in Conjunction with NZ2202)****Date & Issue : Nov 03 Issue 1****Ramset NZ****A Division of ITW NZ Ltd****PO Box 40-031****Glenfield. Auckland****www.ramset.co.nz****7: SAFE HANDLING & STORAGE****STORAGE & TRANSPORT:**

Store in cool place and out of direct sunlight. Store between 5 and 35°C maximum storage life. Not to be loaded with foodstuffs. Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

PACKAGING & LABELLING:

Packaging as recommended by manufacturer.

No packaging group assigned. No class label assigned.

SPILLS & DISPOSALS:

Wear appropriate protective equipment when handling material. Contain using absorbent (soil or sand, sawdust, vermiculite, inert material). Prevent any contamination of drains or waterways. Scrape and seal in properly labeled drums of 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 : Not flammable

Extinguishing Media : CO₂, dry chemical or foam

May Decompose Explosively : Not available

Upper Explosion Limit : Not available

Lower Explosion Limit : Not available

Dust Explosion Limit : Not available

Other

HAZARDOUS DECOMPOSITION PRODUCTS:

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

9: OTHER INFORMATION

On burning will emit noxious fumes. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products or combustion.

PRINT DOCUMENT**BACK TO CONTENTS****NATIONAL POISONS INFORMATION CENTRE****RAMSET NZ****MSDS's AVAILABLE ON LINE AT****PAGE No****: 0800 764 766****: 09 444 3510****: www.ramset.co.nz****: 4 of 4**