

MATERIAL SAFETY DATA SHEET

EPOXYPATCH 1:1 HARDENER

Date : 1 January 2002

HAZARDOUS NATURE May cause sensitization by skin contact.

MANUFACTURER **EPG (2002) Limited**
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IDENTIFICATION

PRODUCT NAME Epoxy Patch Hardener
Manufacturers Product Code **PTYH**
Shipping Name Not Applicable
U.N. Number 1760
Dangerous Goods Class DGLQ
Subsidiary Risk Not Classified
Hazchem Code 2x
Packing Group III
Uses Epoxy Hardener Solventless. One part of a 2 pack epoxy system requiring both parts to be mixed according to the manufacturers instructions.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance & Odour Amber paste with mild, ammonia odour
Boiling Point No Data
Specific Gravity @ 20°C 1.65 – 1.70
Flash Point, °C >230
Flammability Limits No Data
Volatile Content 0.0% by Weight
Solubility in Water, % mass Slightly Miscible

INGREDIENTS

Chemical Entity	CAS No.	Weight% LD50	Hazard Symbols	Risk Phrases
Epoxy Hardener				
Modified amine adduct		>15	C	
Alkylated phenolic polyamine		>15	C	
Aromatic alcohol	100-51-6	>10	Xn	R20/22
Silicon dioxide	112945-52	5-10		
Silicic acid sodium salt	1344-09-8	>10		

Ingredients determined to be non-hazardous

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE EFFECTS OF OVER EXPOSURE

SWALLOWED No acute toxicity data available. Not expected to cause health effects.

EYE CONTACT Moderately irritating to the eyes, causing redness and burning sensation.

SKIN CONTACT Can cause mild skin irritation or dermatitis, and may cause moderate to strong sensitizing of skin on prolonged or repeated contact.

INHALED Not expected to be an inhalation hazard under normal conditions.
Vapour at elevated temperatures may cause respiratory irritation.

CHRONIC EFFECTS OF OVER EXPOSURE No acute toxicity data available. Irritation and sensitization of the skin after prolonged exposure, or repeated contact is possible.
OTHER HEALTH Can be classified as practically non-toxic, and at most, slightly toxic percutaneously. Eye irritation is expected to be, at most moderate.

EMERGENCY AND FIRST AID

SWALLOWED	Immediately give plenty of water.
EYES	Flush eyes with copious quantities of fresh water for at least fifteen (15) minutes. Retract eyelids frequently. Seek medical attention immediately!
SKIN	Wash skin thoroughly with soap and water. If skin irritation occurs, the affected should be removed from all association with solvents, resins, curing agents and formulated mixtures and referred to a doctor.
INHALATION	No specific measures are necessary at normal temperatures. Vapour of mixed product at elevated temperatures can cause mild irritation. Remove the affected to fresh air source.

NOTES TO PHYSICIAN

If skin sensitization has developed, and a causal relationship has been confirmed, further exposure to this product and analogous compounds should not be allowed. Treat Symptomatically.

PRECAUTIONS FOR USE**REACTIVITY DATA**

STABILITY	Stable when stored separately in tightly sealed original container.
CONDITIONS TO AVOID	Strong acids. Strong oxidizers. Reactive organometallic compounds.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	May form toxic materials; carbon monoxide, and carbon dioxide. Oxides of nitrogen.
EXPOSURE STANDARDS	Not Established
ENGINEERING CONTROLS	Local exhaust not required. Adequate ventilation to keep vapour concentrations below TLV recommended

SAFE HANDLING INFORMATION

STORAGE	Store in original container. Keep container closed at all times. Store in a cool, well ventilated place, below 25°C. Store away from heat, naked flames, and sparks. Store away from direct sunlight. Store away from oxidizing agents, and their vapours. Store securely away from children. Keep away from foodstuffs, drink, and washing areas.
TRANSPORT	Not Classified as Dangerous Goods by NZS 5433:1999 Transport of Dangerous Goods on Land For local transportation within New Zealand refer NZS 5433:1999 - DGLQ
SPILLS AND DISPOSAL	Not classified as Flammable but will burn Spills Minor – Collect in drums and arrange for disposal by a competent contractor, in accordance with local regulations. Spills Major – Transfer to empty drums. Arrange for disposal by a competent contractor, in accordance with local regulations. Disposal – Paint related materials containers are recyclable when empty. Do not rinse residue down the drain. Preferably use up all of the material before disposing of the container. If it is not possible to use up all of the material, arrange for disposal by a competent hazardous waste contractor by incineration or landfill as appropriate, in accordance with local regulations.
FIRE EXPLOSION HAZARD	Not deemed to be a Fire Explosion Hazard.
OTHER INFORMATION	
SAFETY	When sanding any paint, use a dust respirator. Refer to Technical Data Sheet for this product for Directions for Use.
RISK & SAFETY PHRASES	<u>Risk Phrases :</u> None Required <u>Safety Phrases :</u> None Required
CONTACT POINT	Manager 649 573 1112 or 027 438 9946 (24 Hours)