

# MATERIAL SAFETY DATA SHEET

## HYBOND EPOXY MORTAR 1:1 RESIN

Revised Date : 5<sup>th</sup> February 2015

**MANUFACTURER**            **EPG (2002) Limited**  
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## IDENTIFICATION

**PRODUCT NAME**            **Hybond Epoxy Mortar Resin**  
**Manufacturers Product Code**    **EPMR**  
Shipping Name                Not Applicable  
U.N. Number                 Not Applicable  
Dangerous Goods Class       Non hazardous  
Subsidiary Risk              Not Applicable  
Hazchem Code                Not Applicable  
Packing Group                Not Applicable  
Uses                            Epoxy glue. Solvent-less. One part of a 2 pack epoxy system requiring both parts to be mixed according to the manufacturers instructions.

### PHYSICAL DESCRIPTION/PROPERTIES

Appearance & Odour        White resin paste. Mild, sweet odour  
Boiling Point                >100 deg C  
Specific Gravity @ 20°C    1.90 - 2.00  
Flash Point, °C  
Flammability Limits  
Volatile Content              0.0% by Weight  
Solubility in Water, % mass Not soluble

### INGREDIENTS

Chemical Entity	CAS No.	Weight%	LD50 oral Rat	LD50dermal Rat or Rabbit	LD50inhalation Rat	Hazard Symbols	Risk Phrases
Diglycidyl ether of bisphenol A/F	25068-38-6	>35	>5000			T, Xi	R41, R38, R43
Silicon dioxide	112945-52-5	>10					
Silica		>50					
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**                Irritating, 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**                No specific measures are indicated as not expected to cause adverse health effects.

**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

polymerization	STABLE When stored separately in  tightly sealed original container.	CONDITIONS TO AVOID Temperatures above 200–250°C.  can occur on contact with caustic @ 200°C.	Vigorous
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##### INCOMPATIBILITY oxygen.

##### (MATERIALS TO AVOID)

Avoid copper and brass. UV light induces a slow oxidation process in the presence of Lewis acids and bases, primary and secondary amines, amides, carboxylic acid anhydrides, dibasic organic acids and phenols as curing agents to form cured epoxy resins.

##### HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

May form toxic materials; carbon monoxide, and carbon dioxide.

##### 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 Land

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

##### 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 – 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, use a dust respirator.  
Refer to Technical Data Sheet for this product for Directions for Use.

##### RISK & SAFETY PHRASES

Risk Phrases :  
R41, R38, R43

Safety Phrases :  
None Required

##### CONTACT POINT

Managing Director 649 636 3615 or 027 438 9946 (24 Hours)