

# MATERIAL SAFETY DATA SHEET

## EPOXY FLOORCOAT RESIN

Date : 1 July 2002

**HAZARDOUS NATURE** Irritant

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

<b>PRODUCT NAME</b>	<b>Epoxy Floorcoat Resin</b>
Manufacturers Product Code	<b>EFWR</b>
Shipping Name	Not Applicable
U.N. Number	Not Applicable
Dangerous Goods Class	Non Hazardous
Subsidiary Risk	Not Applicable
Toxic Substances Schedule	Nil
Hazchem Code	Not Applicable
Packing Group	Not Applicable
Uses	Industrial paint. 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	Coloured Resin with mild, sweet odour
Boiling Point	No Data
Specific Gravity @ 20°C	1.4 – 1.45
Flash Point, °C	>150
Flammability Limits	No Data
Volatile Content	0.0% by Weight
Solubility in Water, % mass	Immiscible

### INGREDIENTS

Chemical Entity	CAS No.	Weight%	LD50	Hazard Symbols	Risk Phrases
Epoxy Resin					
Diglycidyl ether of bisphenol A/F	25068-38-6	50-60		Xn, Xi	R36/38, R43
Titanium Dioxide	13463-07-7	10-20			R51/52
Glycidyl ether	68609-97-2	1-0		Xn	R43
Inert Fillers		20-30			

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### ACUTE EFFECTS OF OVER EXPOSURE

SWALLOWED	Slightly toxic 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.

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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

Temperatures above 200-250°C. Vigorous polymerization can occur on contact with caustic @ 200°C.

##### INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid copper and brass. UV light induces a slow oxidation process in the presence of oxygen. 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

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 – Absorb with sand, sawdust or earth. Collect in drums and arrange for disposal by a competent contractor, in accordance with local regulations.

Spills Major – Wear appropriate protective clothing and equipment. Dyke area of spill and 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

##### Risk Phrases :

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

##### Safety Phrases :

S28 After contact with skin, wash immediately with plenty of soap and water

S37/39 Wear suitable gloves and eye/face protection

##### CONTACT POINT

Manager 649 573 1112 or 027 438 9946 (24 Hours)

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