



PermaStruct

◆ No.1 for FRP ◆

MATERIAL SAFETY DATA SHEET

Permastruct Fibre Reinforced Plastic Materials

Page 1 of 3

Date of Issue: June 2013

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

IDENTIFICATION

Product Name:	Permastruct Fibreglass reinforced plastic
Other Names:	F.R.P. – TENSION MEMBER; F.R.P. – PULTRUDED PROFILE; F.R.P. GRATING
Manufacturer's Product Code:	NOT APPLICABLE
UN Number:	NOT APPLICABLE
Dangerous Goods Class and Subsidiary Risk:	NOT APPLICABLE
Hazchem Code:	NOT APPLICABLE
Poisons Schedule Number:	NOT APPLICABLE
Use:	* MANUFACTURE OF MOULDED NON SLIP PROFILES, CABLE LADDERS, OPEN AND SOLID TOP GRATINGS, VARIOUS PRODUCTS TO BE USED IN NON-CORROSIVE/NON-CONDUCTIVE AREAS. * GENERAL USE REPLACING STEEL, ALUMINIUM, WOOD ETC.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	SOLID MATERIAL WITH VERY LOW ODOUR. COLOURS VARY
Boiling Point/Melting Point:	NOT APPLICABLE
Vapour Pressure:	NOT APPLICABLE
Specific Gravity:	1.7 to 2.1
Flashpoint:	NOT APPLICABLE
Flammability Limits:	NOT APPLICABLE
Solubility in water:	NOT APPLICABLE

OTHER PROPERTIES

Auto-ignition Temperature:	340 ^o to 370 ^o C
Odour Threshold:	VERY LOW
Physical State (20 ^o C)	SOLID
Fire Point:	500 ^o C

INGREDIENTS

Chemical Name	CAS Number	Proportion
Cured Thermoset Resin	NOT APPLICABLE	15-60%
Glass Filament/mat	6599-17-3	40-85%



MATERIAL SAFETY DATA SHEET

Page 2 of 3

Date of Issue: June 2013

HEALTH HAZARD INFORMATION**Health Effects**

- Information on health effects are for substances which may result from operations generating nuisance dust:
- Based on available animal experiments and epidemiology as per NOHSC: 1001(1989)

Acute

Swallowed:

Non-irritant. No adverse effects expected.

Eye:

May cause mild eye irritation from operations generating a nuisance dust. Use of long sleeve shirts and leather gloves may reduce skin exposure. Good ventilation system suggested.

Inhaled:

May produce low respiratory irritation and coughing from operations generating a nuisance dust. Use of dust masks and a good ventilation system may reduce the exposure.

FIRST AID – TREATED LIKE GENERAL DUST

Swallowed:

NOT APPLICABLE

Eye:

DO NOT RUB EYES. Rinse eyes with generous amount of water for 15 minutes. Keep eyelids open during rinsing. Sterile eyewash may help relieve the discomfort. If discomfort persists, seek medical assistance.

Skin:

Wash affected area with mild soap and cool to warm water to remove any dust. Apply a good lanolin base hand cream or lotion. If irritation persists for more than 3-4 days, seek medical advice.

Inhaled:

Remove from exposure to fresh air. Apply artificial respiration if not breathing. If breathing difficulty persists, seek medical assistance.

ADVISE TO DOCTOR – TREAT LIKE GENERAL DUST.

MATERIAL SAFETY DATA SHEET		Page 3 of 3
		Date of Issue: June 2013
PRECAUTIONS FOR USE		
Exposure Standards:	- As per NOHSC: 1003 (1995) – Exposure Standards for Atmospheric Contaminants in the Occupational Environment.	
Respirable dust (SMF):	TWA – 0.5 fibres/mi	
Non-respirable dust:	TWA – 2 mb/m ³	
Engineering Controls:	<ul style="list-style-type: none"> - segregation of processes generating nuisance dust from other personnel: - capture of dust at source and safe disposal with a local exhaust ventilation system 	
Personal Protection:	- treated like general dust	
Eye:	Safety glasses with side shields or a vented safety goggle recommended for dusty environments.	
Skin	Long sleeve shirts and leather gloves may reduce skin exposure.	
Inhalation:	Dust masks may reduce the risk of inhaling and/or swallowing.	
Flammability	Not flammable under conditions of use	
SAFE HANDLING INFORMATION		
Storage and Transport:	Not classified as dangerous goods according to Dangerous Goods (Storage and Handling) Regulations 1989	
Spills and Disposal:	NOT APPLICABLE	
Fire/Explosion Hazard:	<p>No fire or explosion hazards under any reasonably foreseeable conditions of use or storage.</p> <p>May produce toxic fumes of carbon monoxide if burning in confined space. Any type of extinguisher or fire-fighting agent is acceptable – water, foam, dry chemical.</p> <p>Self-contained breathing apparatus may be used in confined space.</p>	
OTHER INFORMATION		
Toxicity and Ecotoxicity:	NOT APPLICABLE	
Biodegradability:	NOT APPLICABLE	
Persistence in Soil/Water:	NOT APPLICABLE	

PERTH: Tel: +61 8 9 303 2406 Fax: +61 8 9303 4836

Postal Address: PO Box 326 Hillarys, WA 6923

Physical Address: 92 Furniss RD Landsdale WA 6065

MELBOURNE: Tel: +61 3 9791 3305 Fax: +61 3 9791 4616

Physical Address: 4 Monterey Rd Dandenong South, VIC 3175

Email: accounts@permacomposites.com Web: www.permastruct.com