

Material Safety Data Sheet

Section 1 – Identification: Product Identifier & Chemical Identity

Product Identifier	PermaStruct® FRP
Details of Manufacturer or Importer	Perma Composites® Pty Ltd
Emergency Phone Number	1300 366 938

Section 2 – Hazard Identification

GHS Classifications	Skin Irritation, Category 1
Signal Word	Caution
Hazard Statement	FRP does not release or otherwise result in exposure to hazardous chemicals under normal conditions of use. It is therefore not considered a hazardous material.
Precautionary Statement	Dust will be generated if this product is drilled, sanded or ground

Section 3 – Composition and Information on Ingredients

Chemical Component	CAS Number	Percent (%)
Polymerized Resin	None	25 – 75
Fibreglass	65997-17-3	20 – 70
Quartz Sand	14808-60-7	1

Section 4 – First Aid Measures

Description of Necessary First Aid Measures	Wash skin well without rubbing. Change clothing after exposure and apply antiseptic to any abraded skin. For eyes, use a sterile solution and flood the eye area.
Symptoms Caused by Exposure	Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to a large amount of airborne dust from cutting or machining.

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Section 5 – Firefighting Measures

Suitable Extinguishing Equipment	Water, Foam, CO2 Dry Chemical
Specific Hazards Arising from the Chemical	Burning FRP creates a complex mixture of solid, liquid and gases. Carbon monoxide and other organic compounds may be given off.
Special Protective Equipment and Precautions for Firefighters	Use self-contained breathing apparatus with full face operated in pressure mode.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	No-sparking tools shall be used. Avoid dispersal of dust in the air.
Environmental Precautions	Prevent dust from cutting, grinding or sanding from entering water systems or down drains.
Methods and Materials for Containment and Cleaning Up	Dust deposits from fabrication should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Section 7 – Handling and Storage

Handling	Use personal protection equipment to minimize skin, respiration and eye exposure to dust and fumes when cutting or grinding product. Do not rub or scratch skin if dust particles have accumulated on exposed skin. Wash all exposed skin areas thoroughly after cutting or grinding.
Storage	No special storage conditions exist

Section 8 – Exposure Controls and Personal Protection

Eye and Face Protection	Wear protective eyewear with side shield or ventilated goggles when cutting or grinding.
Skin Protection	Barrier cream or long sleeve shirts with closed collars, long pants or protective clothing may be worn to prevent dust exposure when cutting or grinding product.
Respiratory Protection	Approved dust mask with PEL not less than 0.1 mg/M3 when cutting or grinding
Protective Gloves	Wear cloth gloves when handling products to prevent cuts, scratches or abrasions

Section 9 – Physical and Chemical Properties

Appearance	Solid Article, Various Colours
Auto Ignition Temperature	>420 Degrees Celsius
Odour	Mild, Characteristic Odour
Relative Density	1.6 – 2.0

Section 10 – Stability and Reactivity

Chemical Stability	Yes
Possibility of Hazardous Reactions	Not Applicable
Conditions to Avoid	Sources of ignition, sparks, or flames, extremely high temperatures

Section 11 – Toxicological Information

Acute Toxicity	Not Applicable
Skin Corrosion / Irritation	Dust from machining can cause irritation
Serious Eye Damage / Irritation	Dust from machining can cause irritation
Respiratory or Skin Sensitisation	Dust from machining can cause irritation
Germ Cell Mutagenicity	Not Applicable
Carcinogenicity	Not Applicable
Reproductive Toxicity	Not Applicable
Aspiration Hazard	Not Applicable

Section 12 – Ecological Information

Environmental Data	Dust, generated from cutting, sanding or grinding, may be harmful to the environment if allowed to directly enter water sources.
Ecotoxicology Information	Not Applicable
Bioaccumulation Accumulation	Not Applicable
Distribution	Not Applicable
Aquatic Toxicity	Not Applicable
Chemical Fate Information	Not Applicable

Section 13 – Disposal Considerations

Disposal Containers and Methods	Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all federal, state and local regulations.
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Section 14 – Transport Information

Proper Shipping Name	Not Applicable
Transport Hazard Class	Not Hazardous

Section 15 - Any Other Relevant Information

Date of Preparation	18/10/2021
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