

GRP Australia

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Summary

Fibreglass reinforced plastics (FRP) is a composite material or polymer made of resin (plastic) reinforced by fibres made of glass. The product can also contain fire retardants and colour pigments. This product is not classified as hazardous according to the criteria of the NOHSC Australia.

Product Identification

Product Name

Pultruded FRP Structural Sections and Moulded Grating.

Physical Data

Density:	1600 to 2000kg/m ³
Melting Point:	Not applicable
Flash Point:	Not applicable
Boiling Point:	Not applicable
Flammability Limits:	Not applicable
Vapour Pressure:	Not applicable
Solubility in Water:	Insoluble

Product Ingredients

Chemical Entity	Moulded Grating	Pultruded Structural Sections
Vinyl Ester or Isophthalic Resin	62%	31%
Glass Fibre	34%	65%
Other Non-Hazardous Ingredients	4%	4%

Health Hazard Information

Acute Health Effects

Swallowed:	Unlikely under normal conditions of use, but swallowing dust from this product may results in abdominal discomfort.
Eye:	Dust from this product may irritate the eyes causing watering and redness.
Skin:	Dust form this product may cause irritation of the skin through friction but is not absorbed through the skin.
Inhaled:	Dust from this product may cause irritation of the nose, throat and lungs causing coughing and sneezing.

Chronic Health Effects

No known long term health effects.

Precautions For Use

Exposure Standards:	10mg/m ³ Dust NOS (not otherwise specified) (NOSHSC 1995)
Engineering Controls:	If dust is created when drilling or cutting the product in a poorly ventilated area, local dust extraction is highly recommended.
Personal Protection:	If dust is generated, use a class P1 or P2 respirator conforming to AS/NZS 1715 & 1716.
Flammability:	Not combustible, however decomposition in fire may cause toxic flames and therefore smoke.

Safety Handling Information

Storage & Transport:	Store in a dry place preferably out of direct sunlight. Not regulated for Transport Purposes.
Spills:	Remove bulk, vacuum & avoid creating excessive dust.
Disposal:	Waste should be places in containers or bags the prevent dust emission, and disposed of in accordance with the local waste disposal authority requirements.
Fire explosion/Hazard:	Not combustible, fire fighters to wear self contained breathing apparatus.