

Material Safety Data Sheet

EX-Series® Phenolic FRP Composite Products

Section 1 - Product & Company Identification

Company:	Treadwell Group Pty Ltd	ABN: 40 140 529 200
Address:	58 Deeds Road, North Plympton, South Australia 5037	
Phone:	1800 246 800 Fax: 1300 763 521	
Poisons Information Centre:	Australia 131 126 New Zealand 0800 764 766	
Recommended Use:	Structural Component	

Section 2 - Hazard(s) Identification

Company:	Treadwell Group Pty Ltd	ABN: 40 140 529 200
Address:	58 Deeds Road, North Plympton, South Australia 5037	
Phone:	1800 246 800 Fax: 1300 763 521	
Classification:	In accordance with 29 C.F.R § 1910.12000, this product is an “article” and therefore not subject to the HCS 2012 SDS and labeling requirements. The information presented is for potential end use grinding, sanding, cutting, or other mechanical work of this product.	
Signal Word:	Warning	
Pictogram:	None	
Hazard Statement:	May form combustible dust concentrations in air	
Precautionary Statements:	None	
Hazards Not Otherwise Classified:	The grinding, drilling, sanding, cutting, or other mechanical working of this product may generate dusts that could act as a mechanical irritant to skin, eyes and upper respiratory system. Vapors or products of thermal degradation generated by cutting or grinding may aggravate or cause respiratory conditions.	

Sections 3 - Composition/ Information on Ingredients

Chemical Component	CAS Number	Percent
Polymerised Resin	None	30%-75%
Fibreglass	65997-17-3	25%-70%
Quartz Sand (Present Within Antislip Gritted Products Only)	14808-60-7	1%

Material Safety Data Sheet

Section 4 - First Aid Measures

Routes of Entry:	Inhalation, skin, and ingestion
Sign & Symptoms of Exposure:	Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to large amount of airborne dust from cutting or machining.
Emergency & First Aid Procedures:	Wash skin well without rubbing. For eyes, use a sterile solution and flood the eye area. Change clothing after exposure. Apply antiseptic to any abraded skin area.

Section 5 - Fire Fighting Measures

Extinguishing Media:	Water: Foam/Type A,B, or C Extinguishers
Special Firefighting Procedures:	Use Self-Contained Breathing Apparatus (SCBA) with full face mask operated in pressure mode.
Unusual Fire & Explosion Hazards:	Burning FRP a complex mixture of solid, liquid, particulate and gasses. Carbon monoxide and other organic compounds may be given off. Avoid generating dust: fine dust dispersed on air on sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:	Non-sparking tools should be used. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air).
Methods and materials for containment and cleaning up:	Dust deposits from fabrication should not be allowed to accumulate on surfaces, as these may from an explosive mixture if they are released into atmosphere in sufficient concentration.

Section 7 - Handling and Storage

Handling:	Use personal protection equipment to minimise skin, respiratory 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. Launder clothing separately and frequently to prevent skin exposure.
Fabrication of Product:	Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and binding, or inert atmospheres.
Storage:	No special storage conditions exist.

Material Safety Data Sheet

Section 8 - Exposure Controls/ Personal Protection

Occupational Expose Limits	Value
OSHA PEL ACGIH TLV	150mg /m ³ (Nuisance Dust) Total 10mg / m ³ (Nuisance Dust) Total
Respiratory Protection:	An approved dust mask for dusts and mists with PEL not less than 0.1mg/M ³ when cutting or grinding.
Protection Gloves:	Wear cloth gloves when handling product to prevent cuts, scratches, or abrasions.
Eye Protection:	Wear protective eyewear with side shield or ventilated goggles when cutting or grinding.
Other Protective Equipment:	Barrier cream and long sleeve shirts with closed collars, long pants or protective clothing may be worn to prevent dust exposure when cutting or grinding product.
Ventilation:	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents, explosion suppression systems, or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Section 9 - Physical and Chemical Properties

Property	Measurement:
Appearance:	
Physical State	Solid article
Color	Various Colors
Odor	Low to none
Odor Threshold	N/A
pH	N/A
Melting Point/Freezing Point	N/A
Initial Boiling Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	1.5 - 2.0
Solubility	Not applicable
Partition Coecient: n-ocatnol /water	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

Material Safety Data Sheet

Section 10 - Stability and Reactivity Data

Stability:	Stable
Conditions to Avoid:	Sources of ignition, sparks, or flames, extremely high temperatures
Incompatibility:	Strong oxidizing acid
Hazardous Decomposition or Byproducts:	Not applicable
Hazardous Polymerisation:	Will not occur

Section 11 - Toxicological Information

Routes of Exposure:

Inhalation:	Nuisance dust from machining can cause irritation.
Eye:	Nuisance dust from machining can cause irritation.
Skin:	Nuisance dust from machining can cause irritation.
Ingestion:	N/A
Delayed and Immediate Effects:	N/A
Acute Toxicity:	N/A
Carcinogenicity Status:	The components of this product contain crystalline silica, which, if breathed in, can potentially induce silicosis, a type of progressive lung scarring. Inhalable crystalline silica is listed by the International Agency for Research on Cancer (IARC) as a Group I (lung) carcinogen. This classification is grounded on research involving occupationally exposed individuals and animal studies. The National Toxicology Program (NTP) recognizes crystalline silica as a confirmed human carcinogen. Additionally, the product's constituents may encompass tremolite, whether asbestiform or non-asbestiform, or other silicates as impurities. Exposure to these impurities above minimal levels could potentially result in cancer or other serious lung complications.
International Agency for Research on Cancer (IARC)	
National Toxicology Program (NTP)	
OSHA	N/A

Section 12 - Ecological Information

Ecotoxicity:	No data
Persistence and Degradability :	No data
Bioaccumulative Potential :	No data
Mobility in Soil:	No data

Material Safety Data Sheet

Section 13 - Disposal Considerations

Waste Disposal Method:

Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all federal, state, and local regulations. Generally, the dust is not considered a hazardous waste.

Section 14 - Transport Information

Shipping Name:

Not regulated

Shipping Symbols:

N/A

Hazard Class:

Not hazardous

ID No:

N/A

Packing Group:

Not determined

Label:

Not required

Special Provisions:

None

Section 15 - Regulatory Information

Environmental Regulations:**RCRA:**

Not listed

CERCLA:

Not listed

SARA 311/312 Codes:

None

SARA 313:

None above de minimis quantity

Section 16 - Other Information

Refer to NFPA 654:

Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

HMIS:

Health = 0
Fire = 1
Reactivity = 0

Issue Date:

23/02/2024

We believe that the above information is valid and reliable. The information, however, is provided without any representation of warranty, expressed or implied, regarding the accuracy of correctness. The conditions of methods of handling, storage, use, cutting, grinding, disposal, or other use of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use, cutting, grinding, disposal, or any other use of this product.