



SAFETY DATA SHEET

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1. Material Identification

TRADE NAMES E-Glass Armor Panel
CHEMICAL NAME Fiberglass Reinforced Plastic Laminate
CHEMICAL FAMILY Composite Laminate

Manufactured by: Fiber-Tech Industries, Inc. 24 Hour Emergency Number:
2000 Kenskill Avenue CHEMTREC: 800-424-9300
Washington Court House, OH

2. Hazard Identification

This material is classified as an article.

WARNING! The grinding, drilling, sanding, cutting or other mechanical working of this product may generate dusts that could form combustible (explosive) dust-air mixtures.

Material	CAS #	TLV
Dust	NA	5 mg/m3 (Respirable); 15 mg/m3 (Total)

3. Composition

Panels are a composite of 20%-30% thermoset resin and 70%-80% woven E-Glass

4. First Aid

Inhalation: If dust is inhaled, remove to fresh air. If not breathing, give artificial respiration. Get Medical Attention Immediately.

Eye: In case of dust contact with the eyes, flush with large amounts of water for at least 15 minutes with eyelids open. Get Medical attention.

Skin: Dust on the skin should be washed away with mild soap and room temperature to cool water. If irritation persists, get Medical attention.

Ingestion: Ingestion is highly unlikely. If swallowed, get Medical attention.

5. Fire Fighting Measures

Flash Point: Material is considered Non-Flammable

Ignition Temperature: Typically >650 F

Extinguishing Media: Foam, water, CO₂, or dry chemical extinguishers are all compatible.



Fire Fighting Procedures: Fire type and environment will dictate best procedures and equipment to use. Wear self contained breathing apparatus with full face shields when fighting heavy/large scale fires.

Unusual Fire or Explosion Hazards: May form toxic materials such as Carbon Monoxide, Carbon Dioxide, and various hydrocarbons. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

6. Accidental Release

Not Applicable.

7. Handling and Storage

Stability and Incompatibility: Stable under normal conditions. Hazardous polymerization will not occur. Avoid contact with strong oxidizers.

Hazardous Decomposition Products: May form toxic materials such as Carbon Monoxide, Carbon Dioxide, and various hydrocarbons when burned or oxidized.

Combustible Dust: Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Refer to NFPA 654: Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particle Solids, for safe handling.

8. Exposure/Personal Protection

Respiratory: Use adequate ventilation and cover nose and mouth with NIOSH/OSHA approved mask when grinding, cutting or otherwise machining the material.

Eye Protection: Wear eye protection when grinding, cutting or otherwise machining the material to prevent getting dust in eyes.

Skin Protection: Wear protective gloves when handling material. When grinding, cutting or otherwise machining, wear long pants and long sleeve shirt. Wash skin with soap and water after handling. Wash dusty work clothes before wearing them again.

Housekeeping: Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

9. Stability and Reactivity

Stable under normal conditions. Hazardous polymerization will not occur. Avoid contact with strong oxidizers.

10. Physical and Chemical Properties

Boiling Point: NA

Percent Volatile: NA

Vapor Pressure: NA

Solubility in Water: Insoluble

Appearance and Odor: Rigid Sheet, No Significant Odor

11. Toxicological Information

Dust from grinding, cutting or otherwise machining may cause temporary mechanical irritation to eyes, skin, or upper respiratory tract.

12. Ecological Information

There is no known Ecotoxicity attributable to the product.
The composite laminates are not readily biodegradable.

13. Disposal Considerations

Dispose of material as solid waste in compliance with all applicable local, state, and federal regulations.

14. Transportation Information

The material is not considered hazardous in transportation.

15. Regulatory Information

DOT: Not Classified as Hazardous

SARA Title III

Section 302/304 – No Extremely Hazardous Substances


Section 311 – Hazardous Categorization – None

Section 313 – Toxic Substances – None

TSCA – The product is an article as defined by TSCA, and is not required to be listed in the TSCA inventory.

RCRA – The product is not listed in Federal Hazardous Waste Regulations. State or local regulations may apply that are different from the Federal regulation.

16. Other Information

Proposition 65 WARNING:  This product is manufactured using materials that contain chemicals and/or are made from chemicals known to the State of California to cause cancer. (Styrene)

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