

**MATERIAL SAFETY DATA SHEET**

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**SECTION 1 IDENTIFICATION**

Trade Name and Synonym-----FRP  
Chemical Name and Synonym----- Reinforced plastic panels (FRP)  
Chemical Family ----- Polymerized Polyester  
DOT Hazard Classification ----- Not Applicable

**SECTION 2 HAZARDOUS INGREDIENTS**

FRP PANELS are solid sheets which are composed of fiberglass, calcium carbonate, titanium dioxide, hydrated alumina and pigments embedded in a cured polymerized styrenated/ acrylated polyester.

Not listed in NTP IARC or OSHA

**SECTION 3 PHYSICAL DATA**

Boiling Point ----- N/A  
Vapor Pressure ----- N/A  
Vapor Density (Air=1) ----- N/A  
Appearance and Odor: Solid, Rigid sheet; No Odor.  
Specific Gravity (H<sub>2</sub>O=1) ----- 1.3 - 1.9  
Percent volatile by volume ----- N/A  
Solubility in Water ----- Insoluble

**SECTION 4 FIRE AND EXPLOSION HAZARD DATA**

Flash Point ----- >500 degrees F.  
Extinguishing Medium ----- Water; CO<sub>2</sub>; dry chemical.  
**Special Fire Fighting Procedures and Precautions:** Use medium best suited for the fire environment. Use self-contained breathing apparatus for large scale fire.  
**Unusual Fire and Explosion Hazards:** Combustion may yield CO; CO<sub>2</sub>; aliphatic and aromatic hydrocarbons and halogenated compounds. Tests show combustion gases to be less toxic than those from wood.

**SECTION 5 REACTIVITY DATA**

Stability ----- Stable  
Incompatibility ----- Alkali, Hydrofluoric Acid, strong mineral acids.  
Hazardous decomposition products --- Combustion may yield CO; CO<sub>2</sub>; aliphatic and aromatic hydrocarbons and halogenated compounds.  
Hazardous Polymerization ----- Will not occur.

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**SECTION 6 SPILL OR LEAK PROCEDURE**

Steps to be taken in case of material release or spill ----- N/A  
 Waste disposal methods ----- Dispose of as solid waste in accordance with  
 all applicable local, state and federal authorities.

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### SECTION 7 HEALTH HAZARD INFORMATION

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Threshold limit value ----- Fabricating, drilling, cutting, etc.  
 of fiberglass reinforced panels may produce dust. Dust should be controlled.

Particulate level not to exceed 30Mppcf

Primary route(s) of entry ----- Inhalation of dust.

Effects of overexposure ----- Inhalation of dust in excess of the  
 TLV may result in irritation of the upper respiratory tract.

Medical conditions generally aggravated by exposure: Any condition generally aggravated by  
 mechanical irritants in the air or on skin.

Emergency first aid procedures:

Prolonged skin contact: To reduce itching, wash with warm water and soap.

Eye contact: Flush eyes with running water for at least 15 minutes.

Inhalation: None required.

Ingestion: None required.

If irritation persists, seek medical attention.

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### SECTION 8 SPECIAL PROTECTION INFORMATION

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Respiratory protection: When dust is present, cover nose and mouth with mask - NIOSH/OSHA  
 approved as 3M 8700.

Ventilation: Use adequate mechanical ventilation to control dust.

Protective gloves: Use when handling FRP sheets.

Eye protection: Use goggles when fabricating with FRP sheets.

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### SECTION 9 SPECIAL PRECAUTIONS

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Precautions to be taken in handling and storage: Store away from open flame or torch. Wash  
 skin after handling. Wash dirty clothes separately.

Other precautions: Eating or drinking should not be done in fabricating areas.

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