

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Trade Name and Synonyms	Filon [®] Medallion [®] Panels
Chemical Name and Synonyms	Reinforced Plastic Panels (frp)
Chemical Family	Polymerized Thermoset Polyesters with Polyvinyl Acetate
DOT Hazard Classification	Not applicable

COMPOSITION/INFORMATION ON INGREDIENTS

Filon products' panels are mixtures formed as solid sheets composed of some or all of the following: fiberglass, titanium dioxide and pigment embedded in a cured styrenated or acrylated thermoset polyester matrix with vinyl acetate.

HAZARDS IDENTIFICATION

Threshold Limit Value (TLV)	Fabricating, cutting, drilling, etc. of frp may produce dust, which should be controlled. Nuisance dust TWA (OSHA): Respiration fraction: 15 mppcf – 5 mg/m ³ Total dust: 50 mppcf – 15 mg/m ³
Primary Route of Entry	Inhalation of or skin contact with dust.
Effects of Overexposure	Exposure to dust in excess of TLV may result in skin or upper respiratory tract irritation. Pre-existing skin or respiratory disorders may cause more susceptibility to these effects.

PHYSICAL DATA

Boiling Point	Not applicable
Vapor Pressure	Not applicable
Vapor Density (air=1)	Not applicable
Specific Gravity (water=1)	1.4–1.8
% Volatile (by volume)	Not applicable
Solubility in Water	Insoluble
Appearance and Odor	Rigid sheet, slight monomer odor

FIRST AID MEASURES

Inhalation of Dust	Remove from source of exposure into fresh air. Ensure clear airway. Get medical help.
Prolonged Skin Contact	Remove contaminated clothing. Wash skin with warm water and soap. Skin cream could be helpful.
Eye Contact	Flush with running water for 15 minutes or more.
Ingestion of Dust	Do not induce vomiting. Get medical help.

FIRE AND EXPLOSION DATA

Flash Point	Material is classified as nonflammable.
Ignition Temperature	Typically 650°F or higher for frp panels.
Extinguishable Media	Water, CO ₂ , dry chemical.
Fire Fighting Procedures	Use media best suited to fire environment. Use water to cool fire-exposed containers and to flush spills from ignition sources. Use self-contained breathing apparatus for large scale fires.
Unusual Fire or Explosion Hazards	As with other building materials, combustion will yield toxic materials such as carbon monoxide (CO) and carbon dioxide (CO ₂), and may also yield aliphatic and aromatic hydrocarbons and halogenated compounds.

REACTIVITY DATA

Stability and Incompatibility	Stable under normal use conditions. Hazardous polymerization will not occur. Avoid contact with alkali, strong mineral acid or other oxidizers.
Hazardous Decomposition Products	See information in Fire and Explosion Data above.


ENVIRONMENTAL INFORMATION

Handling and Storing Precautions	Store away from heat, open flame, other ignition sources and incompatible materials (see above).
Miscellaneous	Do not eat or drink in fabrication areas.
Spill or Leak Procedures	Not applicable
Waste Disposal	Dispose of as solid waste in compliance with all applicable local, state, and federal regulations.

PERSONAL PROTECTION INFORMATION

Respiratory Protection	Use adequate ventilation to control dust when machining, cutting, drilling, etc. Cover nose and mouth with mask approved by NIOSH/OSHA.
Eye Protection	Use goggles when machining, cutting, drilling, etc. Have eye washes available.
Skin Protection	Wear protective gloves, long pants and long sleeves when machining, cutting, drilling, etc. Wash skin with soap and water after handling. Wash dusty work clothes separately.

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