



MSDS: Material Safety Data Sheet

PRODUCT IDENTIFICATION

Trade Name and Synonyms

Kemlite thermoset frp panels - Kemlite®, Glasbord Fire-X Glasbord®, Matrex®, Varietex™, Armortuf®, ETR®, Gatorplate®, Filon®, Reflections™, Gripstar® Structoglas®, StructoDecor Beaded, StructoDecor Tile, StructoDecor Sandstone, Lascoboard®, Duralite™, Crystalite®, Transtuff, Lascalite, Everstrong™, frpDaylighting Systems, Polyplate®, Super600®, Weatherglaze®, Sequentia®, ISO-Tuff™, CamoTuf™ Corrugated Panels, SunStrong™PRS, and Fire Rated Panels.

Chemical Name and Synonyms

Fiberglass Reinforced Plastic (frp)

Chemical Family

Polymerized Thermoset Polyesters

DOT Hazard Classification

Not Applicable

COMPOSITION/INFORMATION ON INGREDIENTS

Panels are solid sheets composed of a mixture of polyester resin, inorganic fillers, pigments, processing additives, and fiberglass reinforcement. During the manufacturing process, this mixture is cured or hardened into a stable, solid material that is non-hazardous when handled or processed in accordance with good manufacturing and industrial hygiene practices.

HAZARDS IDENTIFICATION

Threshold Limit Value (TLV)

Fabricating, cutting, drilling, etc. of frp may produce dust, which should be controlled. Particulate level should not exceed the following OSHA standard: TWA 15 mg/m³ (Total Dust) and TWA 5 mg/m³ (Respirable Particulate).

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

Not applicable

Specific Gravity (water=1)

1.2-1.8

% Volatile (by volume)

Not applicable

Solubility in Water

Insoluble

Appearance and Odor

Rigid sheet, no significant 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.
Extinguishing 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	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. Fabricating, cutting, drilling, etc., may produce a class ST-1 dust. Safety precautions and ventilation requirements recommended by NFPA-68 should be followed.

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 or safety glasses 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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APPROVED BY _____



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