

**CRANE****Composites**

A Crane Co. Company

**6247**

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# MSDS: Material Safety Data Sheet

## PRODUCT IDENTIFICATION

**Trade Name and Synonyms**

Kemlite thermoset frp panels - Kemlite®, Glasbord Fire-X Glasbord®, Matrex®, Varietex®, DuraTuf™, Armortuf®, ETR®, Gatorplate®, Filon®, Reflections™, Gripstar® Structoglas®, StructoDecor Beaded, StructoDecor Tile, StructoDecor Sandstone, Lascoboard®, Duralite™, Crystalite®, Transtuff, Lascolite, 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/m<sup>3</sup> (Total Dust) and TWA 5 mg/m<sup>3</sup> (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<sup>2</sup>, 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<sup>2</sup>), 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.

The above is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change, and the conditions for use or misuse are beyond our control, CRANE COMPOSITES MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, ABOUT THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should be satisfied that he/she has all current data relevant to his/her particular use.

APPROVED BY Robert A. Barney

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