MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION
Trade Name and Synonyms: Kemlite®, Glasbord®, Fire-X Glasbord®, Kemlite Matrex®, Kemlite ArmorTuf®, Kemlite ETR®, Gatorplate®, Filon®, and Tufines.
Chemical Name and Synonyms: Fiberglass Reinforced Plastic (FRP)
Chemical Family: Polymerized Thermoset Polymers
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, CO₂ 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 (CO₂), 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**

**DATE**