

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Trade Name and Synonyms	Kemlite® Sanigrad® II Fiberglass Ceiling Grid System
Chemical Name and Synonyms	Reinforced Plastic (frp)
Chemical Family	Polymerized Thermoset Polyesters
DOT Hazard Classification	Not Applicable

COMPOSITION/INFORMATION ON INGREDIENTS

The Sanigrad II ceiling system is composed of a mixture of isophthalic polyester resin, inorganic fillers, 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 30M ppcf.
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
pH (1% solution)	Not applicable
Solubility in Water	Insoluble
Specific Gravity	1.6

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	Not Applicable
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	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.
Decomposition Products	Under fire conditions only, fumes may contain carbon monoxide and halogens.

REACTIVITY DATA

This material is stable. Hazardous polymerization will not occur. Organic solvents soften material if allowed to be in contact for a prolonged length of time.

ENVIRONMENTAL INFORMATION

	Most cured polyesters have little or no toxic effect. If curing is incomplete, there may be residues of toxic peroxides or styrene monomers.
Transportation Data	No special regulations govern transportation of this product.
Special Precautions	Dispose of in accordance with local, provincial, and federal regulations. Incinerate only at approved disposal sites.

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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