

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product: Fiber Reinforced Laminate
Trade Name: None
Product Description: Fiber Reinforced Laminate

CAS Number: Not applicable

Preparation Date: May 20, 2005
Previous Revision:

Manufacturer Information: Pioneer Plastics Corporation
1 Pionite Road
Auburn, ME 04211
(207) 784-9111

Emergency Contact (24 hours): (207) 784-9111

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS NUMBER	PER CENT BY WEIGHT
Continuous Filament Glass	65997-17-3	10 - 20%

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200):

CHEMICAL COMPONENT	OSHA PEL's	ACGIH TLV's
Continuous Filament Glass (CAS# 65997-17-3)	TWA: 15.0 mg/m ³ (total dust) TWA: 5.0 mg/m ³ (respirable fraction)	TWA: 5.0 mg/m ³ (inhalable fraction) TWA: 1 fiber/cm ³ (respirable fraction)

SECTION III – HEALTH HAZARDS

Route of Entry: Skin contact [X] Skin absorption [] Eye contact [X]
 Inhalation [X] Ingestion [X]

EFFECTS OF ACUTE EXPOSURE:

Inhalation: Nuisance dust generated during machining can cause short-term irritation of the mouth, nose, throat or upper respiratory tract.

Eye Contact: Not considered a problem under normal use. Fibrous glass or its dust may cause eye irritation.

Skin Contact: Not considered a problem under normal use. Contact with fibrous glass or its dust can cause skin irritation.

Skin Absorption: Not likely to occur

Ingestion: Not considered a problem under normal use. Dust may cause irritation.

EFFECTS OF OVEREXPOSURE:

Exposure to dust in excess of the exposure limits in Section II may result in skin or upper respiratory tract irritation.

SECTION IV – FIRST AID MEASURES

Inhalation: If exposed to dust remove to fresh air. Get medical attention if irritation persists, or if severe coughing or breathing difficulty occurs.

Eye Contact: Flush eyes with large amounts of water. Remove to fresh air. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash affected areas with soap and water. Get medical attention if rash or irritation persists or dermatitis occurs.

Ingestion: Rinse mouth with water. Get medical attention if irritation persists.

SECTION V - FIRE OR EXPLOSION HAZARDS

Extinguishing media:	Water Fog, Carbon Dioxide, Dry Chemical, Chemical Foam.
Hazardous combustion products:	Laminates exposed to fire may liberate, formaldehyde and oxides of nitrogen and carbon.
Special fire fighting procedures:	Firefighters should use appropriate personal protective equipment including self-contained breathing apparatus.
Flash point & method of determination:	Material is classified as nonflammable
Upper flammable limit:	Not Applicable
Lower flammable limit:	Not Applicable
Auto-ignition temperature:	>450 °F
Explosion Hazards:	Finely divided airborne dust from machining could produce Class 1 dusts. Follow NFPA guides for fire safety practices.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of a leak or spill:	Minimize dust. Sweep, shovel or vacuum.
--	---

SECTION VII – HANDLING AND STORAGE

Precautions to be taken in handling and storing:	Store flat if possible. Avoid excessive heat. Secondary operations such as grinding or sanding may produce dust.
---	--

SECTION VIII – EXPOSURE CONTROL /PERSONAL PROTECTION

Hand protection:	Gloves may be worn to prevent contact with rough laminate edges, and dusts from machining activities.
Eye protection:	Safety glasses or goggles are recommended when machining this material.
Respiratory protection:	None should be required during normal operations. When dust is generated, a NIOSH approved mask may be used when exposure levels to dust have the potential to be above regulated values.
Body protection:	No special precautions are required. If exposed to dust wear normal work clothing covering arms and legs. Wash with soap and water to remove any material from the skin.
Foot protection:	Safety shoes are recommended when handling the

Ventilation controls:

material.

When dust is created, use local ventilation where required to maintain airborne levels below OSHA PELs

SECTION IX - PHYSICAL DATA

Physical state (room temperature):	Solid
Odor:	Odorless
Appearance:	Rigid, solid sheet. Various surface colors/patterns.
Odor threshold:	Not applicable
Boiling point:	Not applicable
Freezing point:	Not applicable
Percent volatile by volume:	Not applicable
Specific gravity:	> 1
Evaporation rate:(Butyl Acetate = 1)	Not applicable
Vapor pressure:	Not applicable
Vapor density (Air = 1):	Not applicable
pH:	Not applicable
Coefficient of water/oil distribution:	Not determined
Solubility in water (% by weight):	Not Soluble

SECTION X – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Conditions to Avoid:	Store away from excessive heat, open flame or other ignition sources.
Incompatibility (Materials to Avoid):	None known
Hazardous decomposition products:	Combustion of the material can release phenol, formaldehyde and oxides of nitrogen and carbon.
Hazardous polymerization:	Will not occur.

SECTION XI- TOXICOLOGICAL PROPERTIES

Toxicity:	LD ₅₀ : Not available LC ₅₀ : Not available
Irritancy:	Not available
Sensitization:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
Teratogenicity:	Not available
Mutagenicity:	Not available
Toxicologically synergistic products:	Not available

SECTION XII – ECOLOGICAL INFO

No information available

SECTION XIII – WASTE DISPOSAL METHOD

Waste disposal method: This product is not considered a hazardous waste under EPA Hazardous Waste Regulations 40 CFR Part 261. State and local requirements for waste disposal may differ and should be reviewed.
Disposal should occur in accordance with local, provincial, state, federal regulations.

SECTION XIV – TRANSPORT INFORMATION

PIN Number	Not applicable
TDG Shipping Name	Not applicable
TDG Hazard Class	Not applicable
DOT Class	Not regulated

It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material.

SECTION XV – REGULATORY INFORMATION

NFPA Rating:	Health: 1	Flammability: 0	Reactivity: 0
HMIS Rating:	Health: 1	Flammability: 0	Reactivity: 0

OSHA (29CFR 1910.1200): See Section II of MSDS

TSCA: All components are listed on the TSCA Inventory

CERCLA RQ: This product contains the following chemical(s), which have reportable quantities:
None

SARA 311/312: Immediate (Acute) Health Hazard: No
Delayed (Chronic) Health Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

SARA 313: This product contains the following chemical(s) in concentrations, which should require reporting under SARA 313.

None

SECTION XVI – OTHER INFORMATION

None

DISCLAIMER:

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state, provincial and local laws and regulations. Panolam Industries makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Panolam Industries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.