



# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT AND COMPANY IDENTIFICATION

**Product:** Fiberglass Reinforced Plastic (FRP)  
**Trade Name:** None  
**Product Description:** Fiberglass Reinforced Plastic

**CAS Number:** Not applicable

**Preparation Date:** July 27, 2007  
**Previous Revision:** May 3, 2007

**Manufacturer Information:** Panolam Industries International Inc.  
325 DeSoto Avenue  
Morristown, TN 37816  
(423) 587-1842

**Emergency Contact (24 hours):** 1-800-CHEMTREC

## SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Panolam FRP panels are solid sheets which are composed of fiberglass, inorganic fillers, pigments and other additives that are embedded in a cured unsaturated polyester resin. These panels are considered as “articles” as defined in the OSHA Hazard Communication standard in 29 CFR 1910.1200 (c) and are not considered hazardous under normal use.

Fabricating, machining, etc. may produce dust, which should be controlled subject to the OSHA standards for particulate exposure as included below:

CHEMICAL COMPONENT	OSHA PEL's	ACGIH TLV's
Particulate	TWA: 15.0 mg/m <sup>3</sup> (total dust) TWA: 5.0 mg/m <sup>3</sup> (respirable fraction)	TWA: 5.0 mg/m <sup>3</sup> (inhalable fraction) TWA: 1 fiber/cm <sup>3</sup> (respirable fraction)

## SECTION III – HEALTH HAZARDS

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

### **EFFECTS OF ACUTE EXPOSURE:**

**Inhalation:** Not considered a problem under normal use. 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. Contact with dust generated during machining can cause short-term irritation.

**Skin Contact:** Not considered a problem under normal use. Contact with dust generated during machining can cause skin irritation.

**Skin Absorption:** Not likely to occur

**Ingestion:** Not considered a problem under normal use.

### **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

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

## SECTION VI – ACCIDENTAL RELEASE MEASURES

<b>Steps to be taken in case of a leak or spill:</b>	Minimize dust. Sweep, shovel or vacuum.
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## SECTION VII – HANDLING AND STORAGE

<b>Precautions to be taken in handling and storing:</b>	Store flat if possible. Avoid excessive heat. Secondary operations such as cutting, grinding or sanding may produce dust.
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## SECTION VIII – EXPOSURE CONTROL /PERSONAL PROTECTION

<b>Hand protection:</b>	Gloves may be worn to prevent contact with rough panel edges, and dusts from machining activities.
<b>Eye protection:</b>	Safety glasses or goggles are recommended when machining this material.
<b>Respiratory protection:</b>	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.
<b>Body protection:</b>	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.
<b>Foot protection:</b>	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

<b>Physical state (room temperature):</b>	Solid
<b>Odor:</b>	No significant odor
<b>Appearance:</b>	Rigid, solid sheet. Various surface colors/textures.
<b>Odor threshold:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Freezing point:</b>	Not applicable
<b>Percent volatile by volume:</b>	Not applicable
<b>Specific gravity:</b>	> 1
<b>Evaporation rate:(Butyl Acetate = 1)</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Vapor density (Air = 1):</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Coefficient of water/oil distribution:</b>	Not determined
<b>Solubility in water (% by weight):</b>	Not Soluble

## SECTION X – STABILITY AND REACTIVITY

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

## SECTION XI- TOXICOLOGICAL PROPERTIES

<b>Toxicity:</b>	LD <sub>50</sub> : Not available LC <sub>50</sub> : Not available
<b>Irritancy:</b>	Not available
<b>Sensitization:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Toxicologically synergistic products:</b>	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

<b>PIN Number</b>	Not applicable
<b>TDG Shipping Name</b>	Not applicable
<b>TDG Hazard Class</b>	Not applicable
<b>DOT Class</b>	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

<b>NFPA Rating:</b>	Health: 1	Flammability: 0	Reactivity: 0
<b>HMIS Rating:</b>	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

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## **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.