

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration

Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)
Fiberglass Reinforced Polyester

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

TAP Plastics	Emergency Telephone Number (800) 246-5055
Address (Number, Street, City, State, and Zip Code) 2323 C Street	Telephone Number for Information (800) 246-5055
Sacramento, CA 95816	Date Prepared: 2-2-99 Date Revised: 3-8-06
	Signature of Preparer (optional) EH&S Administrator

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Note: This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication Standard. All ingredients have been reacted into or encapsulated in the composite. Dusts generated by sanding, cutting, grinding, or otherwise handling these composites are considered a nuisance dust. See Section VI for likely components of any dust generated.				

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.5 to 2.0
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	None		
Appearance and Odor	Various colored solid shapes, very low to no odor.		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Not Established	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	In a sustained fire: water, foam, type A, B, or C extinguishers.						
Special Fire Fighting Procedures	In a sustained fire, self-contained breathing apparatus (SCBA) should be worn to protect against heavy black smoke.						
Unusual Fire and Explosion Hazards	None						

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Extremely High Temperatures

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts In a sustained fire, binders may decompose releasing hazardous decomposition products.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Not Known

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? X Ingestion? N/A

Health Hazards (Acute and Chronic) Dusts generated by sanding, cutting, grinding, or otherwise handling these composites are likely to contain continuous glass filament dust and polyester resin. Both of these components are considered nuisance dusts and are not considered hazardous under the OSHA Hazard Communication Standard. Nuisance dusts do not produce significant organic disease or toxic effect when exposures are kept under reasonable controls. As a matter of good practice, total dust concentrations, should be kept below $10\text{mg}/\text{m}^3$. Continuous filament fiberglass dust has been listed by IARC as a Group 3, not classifiable as to human carcinogenicity. This means that evidence is insufficient to link fiberglass dust to cancer after 40 years of studies done on workers employed in the manufacturing of fiberglass products. Fiberglass dust diameter: Typically there are no fibers with diameters smaller than 6 microns in Glasforms fiberglass reinforced thermoset solids. Fiber with diameters greater than 3.5 microns are not considered to be respirable.

Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure (Nuisance Dust) Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and or throat if exposed to large amounts of dust.

Medical Conditions

Generally Aggravated by Exposure

High exposure to nuisance dust may aggravate chronic dermatitis.

Emergency and First Aid Procedures Eye contact: Flush with clean water at least 15 minutes. Skin: Rinse contacted area with room temperature to cool water, then wash gently with mild soap.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

No special precautions are necessary for this product in its normal solid form. However, if cutting or machining material, use eye protection and an OSHA approved respirator designed for nuisance dust.

Waste Disposal Method Conform to Local, State, and Federal regulations for disposal of fiberglass Reinforced thermoset solids and dusts. (Not considered hazardous)

Precautions to Be Taken in Handling and Storing Protective gloves are recommended to guard against sharp edges and may reduce possible skin irritation in some operations.

Other Precautions

If cutting or machining, control and collect dust for proper disposal, in accordance with Local, State, and Federal regulations.

Section VIII – Control Measures

Respiratory Protection (Specify Type) If nuisance dust exceeds permissible limits, use OSHA approved dust respirator.

Ventilation	Local Exhaust	To maintain air borne dust levels.	Special	N/A
	Mechanical (General)	Dust Collector at point of generation.	Other	N/A

Protective Gloves For handling comfort

Eye Protection Safety glasses with side shields.

Other Protective Clothing or Equipment Barrier creams + long sleeve shirts, buttoned to fit loosely at the neck and wrist with long pants.

Work/Hygienic Practices Good personal hygiene will maximize comfort.
