



Polyply Composites LLC
 1540 Marion Ave
 Grand Haven, MI 49417
 616-842-6330
 Fax: 616-842-5320
 www.polyplycomposites.com
 ISO 2001 Certified

MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

MANUFACTURER,S NAME

Polyply Composites LLC

EMERGENCY TELEPHONE NO.

(616) 842 - 6330

ADDRESS

1540 Marion Street, Grand Haven, MI 49417

PRODUCT NAMES

FIBERGLASS REINFORCED POLYESTER

CHEMICAL NAME

UNSATURATED POLYESTER RESIN, MINERAL & GLASS FILLED

-SMC

CHEMICAL FAMILY

UNSATURATED POLYESTER / STYRENE

-BMC

FILE NAME: MSDS1

REVISION: C REVISION DATE: 1/10/2011

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater; Carcinogens 0.1% or Greater)	%*	OSHA PEL	ACGIH TLV	COMMENTS
STYRENE MONOMER CAS NO. 100-42-5	10-15	50PPM	50PPM	TOTAL NUISANCE DUST RESPIRABLE NUISANCE DUST
GLASS FIBER CAS NO 65997-17-3	10-45	15MG/³ 5MG/M³	10MG/M³ 5MG/M³	

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	@760 MMGH-294 F	Specific Gravity (H2O=1)	1.70 - 2.20
Vapor Pressure (mm Hg and Temperature)	4.3 @ 68 F	Melting Point	Not Determend
Vapor density (Air =1)	3.6	Evaporation Rate	SLOWER THAN ETHER
Solubility in Water	N/A	Water Reactive	NOT DETERMEND
Appearance and Odor	FLEXIBLE SOFT SHEETS, MAY HAVE PUNGENT STYRENE ODOR.		

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	126 F ASTM D3278-73	Auto-Ingition Temperature	N/A	Flamability Limits in Air % by Volume	LEL 1.1	UEL 6.1
Extinguisher Media	WATER, CARBON DIOXIDE, FOAM, DRY CHEMICAL - SAME AS WOOD FIRE					
Special Fire Fighting Procedures	PROTECTIVE CLOTHING, SELF CONTAINED MSHA/NIOSH APPROVED BREATHING APPARATUS. DO NOT BREATHE FUMES.					
Unusual Fire and Explosion Hazards	CONTINUED EXPOSURE TO HEAT WILL CAUSE AN EXOTHERMIC REACTION.					



SECTION 4 - REACTIVITY HAZARD DATA

STABILITY	<input checked="" type="checkbox"/> Stable	Conditions To Avoid	Prolonged storage at /or above 100° F
	<input type="checkbox"/> Unstable		

Incompatibility (Materials to Avoid)	Peroxides and Polymerization Catalysts
--------------------------------------	--

Hazardous Decomposition Products	Carbon Oxides and Hydrocarbons
----------------------------------	--------------------------------

HAZARDOUS POLYMERIZATION	<input type="checkbox"/> May Occur	Conditions To Avoid	Temperatures at/or above 100° F and Strong Mineral Acids
	<input checked="" type="checkbox"/> Will Not Occur		

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP	<input type="checkbox"/> OSHA
	<input checked="" type="checkbox"/> Skin Absorption	<input type="checkbox"/> Not Hazardous		<input type="checkbox"/> IARC Monograph	<input checked="" type="checkbox"/> Not Listed

HEALTH HAZARDS	Acute	Eye & skin irritation, blurred vision, dizziness, fatigue, headache, vomiting
	Chronic	Prolonged exposure/contact may cause dermatitis

Signs and Symptoms of Exposure	Redness, itch, trouble breathing, nausea
--------------------------------	--

Medical Conditions Generally Aggravated by Exposure	None
---	------

EMERGENCY FIRST AID PROCEDURES - Seek Medical assistance for further treatment, observation and support if necessary.

Eye Contact	FLUSH WITH WATER FOR AT LEAST 20 MINUTES
-------------	--

Skin Contact	WASH AREA WITH MILD SOAP AND WATER. NOT KNOWN TO BE ABSORBED THROUGH SKIN
--------------	---

Inhalation	REMOVE TO FRESH AIR. IF SEVERE, OXYGEN OR CPR MAY BE ADMINISTERED.
------------	--

Ingestion	DO NOT INDUCE VOMITING. KEEP PERSON WARM AND QUIET. SEEK MEDICAL ATTENTION IMMEDIATELY
-----------	--

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS
---------------------------------------	---

Protective Gloves	POLYMERIC OR CLOTH	Eye Protection	SAFETY GLASSES WITH SIDE SHIELDS
-------------------	--------------------	----------------	----------------------------------

VENTILATION TO BE USED	<input type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
	<input checked="" type="checkbox"/> Other (specify)	VENTILATION TYPE IS DETERMINED BY EXPOSURE	

Other Protective Clothing and Equipment	APRON OR OTHER BODY COVERING
---	------------------------------

Hygienic Work Practices	THE NEED FOR LOCAL VENTILATION
-------------------------	--------------------------------

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken If Material Is Spilled Or Released	ELIMINATE SOURCES OF IGNITION AND VENTILATE
--	---

Waste Disposal Methods	UNCURED MATERIAL SHALL BE DISPOSED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
------------------------	--

Precautions to be Taken in Handling and Storage	STORE IN COOL PLACE (<75° F). USE PROTECTIVE GLOVES
---	---

Other Precautions and/or Special Hazards	NONE
--	------

