



MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

MANUFACTURER,S NAME

Polyply Composites Inc.

EMERGENCY TELEPHONE NO.

(616) 842 - 6330

ADDRESS

1540 Marion Street, Grand Haven, MI 49417

PRODUCT NAMES

POLYESTER PATCH MIX

CHEMICAL NAME

UNSATURATED POLYESTER RESIN, MINERAL FILLED

CHEMICAL FAMILY

UNSATURATED POLYESTER / STYRENE

FILE NAME: MSDS1

REVISION: A REVISION DATE: 07/10/2009

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	

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	@760 MMGH-294 F	Specific Gravity (H ₂ O=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	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**

- Stable
 Unstable

Conditions To Avoid Prolonged storage at /or above 100° F

Incompatibility (Materials to Avoid) Peroxides and Polymerization Catalysts

Hazardous Decomposition Products Carbon Oxides and Hydrocarbons

HAZARDOUS POLYMERIZATION

- May Occur
 Will Not Occur

Conditions To Avoid Temperatures at/or above 100° F and Strong Mineral Acids

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY Inhalation Ingestion Skin Absorption Not Hazardous **CARCINOGEN LISTED IN** NTP OSHA IARC Monograph 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

- Local Exhaust Mechanical (general) Special
 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

