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 ISO 9001:2008 Certified

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
 FRP,GRP

CHEMICAL NAME

POLYMERIZED UNSATURATED POLYESTER RESIN, MINERAL & GLASS FILLED

- INDUSTRIAL SHEET (GPO-2,3,CHEMBLOK,HT)
- MOLDED PARTS, CHANNELS, AND ANGLES
- PULTRUDED CHANNELS AND ANGLES

CHEMICAL FAMILY

UNSATURATED POLYESTER / STYRENE

SECTION 2 - Hazard(s) identification

IN ITS MANUFACTURED AND SHIPPED STATE, THE PRODUCT IS CONSIDERED NON-HAZARDOUS.
 PROCESSING, HOWEVER, MAY GENERATE DUST AND PARTICULATE MATTER.

Product is various colored with no odor. Dust may cause irritation of eyes, skin, mucous membranes, and respiratory tract. Certain colors of the products may contain carbon black which has been identified as a potential carcinogen. Wear appropriate personal protective equipment. Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Product is not expected to present an environmental hazard.

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater; Carcinogens 0.1% or Greater)	%*	OSHA PEL	ACGIH TLV	COMMENTS
POLYMERIZED POLYESTER MATRIX	55-90			
GLASS FIBER CAS NO 65997-17-3	10-45	15MG/M ³ 5MG/M ³	10MG/M ³ 5MG/M ³	TOTAL NUISANCE DUST RESPIRABLE NUISANCE DUST
CARBON BLACK CAS NO 1333-86-4	0-2	3.5 MG/M ³	3.5 MG/M ³	

SECTION 3 - Composition/information on ingredients

Proprietary Polymerized Mixture of Unsaturated Polyester Resins, Metal Oxides, Hydroxides, and Stearates, Fiberglass,

SECTION 4 - First-aid measures

Inhalation: Remove exposed person to fresh air. If breathing is difficult, oxygen may be administered. If breathing has stopped, artificial respiration should be started immediately. Seek medical attention.

Eyes: Flush with tepid water for at least 20 minutes, holding the eyelids wide open. Seek medical attention if irritation develops.

Skin: Wash thoroughly with mild soap and water. Seek medical attention if irritation develops.

Ingestion: Not expected to be an important route of entry in to the body. If large amounts of product dusts or particulates are ingested, seek medical attention

Chronic and Carcinogenic:

Prolonged exposure to dusts or particulates may cause dermatitis. The carbon black pigment in certain colors of the product has been identified as a potential carcinogen. Preexisting skin, lung, kidney, and liver conditions may be aggravated by exposure to the components of the product.

OSHA Status:

Not hazardous

SECTION 5 - Fire-fighting measures

Product will not burn. Material in or near fires should be cooled with a water spray or fog if compatible with fire fighting techniques for the other materials involved in the fire. A self-contained breathing apparatus, operating in the positive-pressure mode, and full fire fighting gear should be worn for combating fires.

SECTION 6 - Accidental release measures

Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.

SECTION 7 - Handling and Storage

Do not store with or near incompatible materials cited in Section 10. Store out of contact with the elements. Appropriate personal protective equipment cited in Section 8 should be worn during handling. Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Wash hands and face thoroughly before eating, drinking, or smoking.

SECTION 8 - Exposure controls/personal protection

Engineering Controls:

Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and local exhaust ventilation provided if deemed necessary.

Respiratory Protection
(Specify Type)

DUST MASK - 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 9 - Physical and chemical properties

Boiling Point	Not Determined	Specific Gravity (H ₂ O=1)	1.7 - 2.2
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	Not Determined
Vapor density (Air =1)	N/A	Evaporation Rate	N/A
Solubility in Water	N/A	Water Reactive	NO
Appearance and Odor	CAN BE ANY SIZE AND SHAPE, NO NOTICEABLE ODOR		

SECTION 10 - Stability and reactivity

STABILITY		Conditions To Avoid	N/A
<input checked="" type="checkbox"/> Stable			
<input type="checkbox"/> Unstable			
Incompatibility (Materials to Avoid)	STRONG OXIDIZING AND REDUCING AGENTS AND STRONG ACIDS AND ALKALIES.		
Hazardous Decomposition Products	MAY PRODUCE DENSE SMOKE, OXIDES OF CARBON, NITROGEN AND SULFUR.		
HAZARDOUS POLYMERIZATION		Conditions To Avoid	N/A
<input type="checkbox"/> May Occur			
<input checked="" type="checkbox"/> Will Not Occur			
Thermal decomposition may produce dense smoke, oxides of carbon, nitrogen, and sulfur.			

SECTION 11 - Toxicological information

Certain colors of the product may contain carbon black which has been identified as a potential carcinogen. The IARC cites several animal studies where inhalation or intratracheal installation of carbon black, using rats as the test species, showed an increased incidence of benign and malignant tumors of the lung. The carbon black in the product is bound in a polymeric matrix and is not expected to be bio-available.

SECTION 12 - Ecological information

Detailed studies on the environmental fate of the product have not been conducted. The product is, however, not expected to present a hazard to aquatic and terrestrial flora and fauna.

SECTION 13 - Disposal considerations

As supplied, product is considered non-hazardous. It should be disposed of in accordance with all local, state, and federal regulations

SECTION 14 - Transport information

Not currently regulated under Department of Transportation regulations.

SECTION 15 - Regulatory information

SARA Hazard Categories:

Not hazardous as supplied. In use: Acute Hazard, Chronic Hazard

European Regulations:

This product complies with the RoHS directive 2002/95/EC, the commission decision 2005/618/EC and WEEE requirements under commission directive 2002/96/EC.

SECTION 16 - Other information

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Polyply Composites LLC product described herein are believed to be accurate, however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of use, and whether the use infringes on any patents is the sole responsibility of the user. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE. Under no circumstances shall we be liable for incidental or consequential loss or damage.

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