



Material Safety Data Sheet

Identity: Reinforced Plastic Lumber

Chemical Description: Fiberglass reinforced, foamed, colored, recycled polyolefin material.

Section 1:

Product Manufacturer: Trimax Building Products
112 Fourth Street P.O. Box 480
Luxemburg, WI 54217-0480

Telephone Number for Information: 1-800-666-5207

Emergency Telephone Number: Trimax Building Products 1-920-845-2326
Chemtrec 1-800-424-9300

Section 2: Hazardous Ingredients Information

<u>CAS #</u>	<u>COMMON NAME</u>	<u>OSHA/PEL (mg/m³)</u>	<u>ACGIH/TLV (mg/m³)</u>	<u>% By Weight</u>
1333-86-4	Carbon Black	3.5	3.5	<1.5
65997-17-3	Fibrous Glass	See Below	See Below	<50
<i>which contains:</i>	Non-respirable particulates	15	5	>90
	Respirable particulates	5	3	<10
	Repirable particulate with Fiber like profile	1	1	<0.1

Important Notice: The fiberglass in this product is a mechanical irritant. Although the vast majority of fiberglass is encapsulated within the material, there may be a small amount exposed on the surface of the material. Given that this product may be used for applications where human or animal skin will come into contact with this material such as decking or outdoor furniture, it is necessary to remove the fiberglass located on the surface of this product so as to prevent irritation.

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Section 2: Hazardous Ingredients Information *(Continued)*

To Remove Surface Fiberglass:

- ❖ First, machine the material (i.e., saw, drill, plane, etc.) to the desired size and shape (NOTE: See Section 8 for Control Measures).
- ❖ Second, use a fine grain flap brush attached to a hand drill to rub the surface of the material.
- ❖ Third, wash the surface with soap and water.
- ❖ Last, rinse with water.

Section 3: Physical and Chemical Properties

Boiling Point:	N/A	Specific Gravity:	1.35 grams/cubic cm
Vapor Pressure:	N/A	Melting Point:	257 degrees F
Vapor Density:	N/A	Evaporative Rate:	Nil
Solubility in Water:	N/A		
Appearance:	Colored solid plastic lumber.		
Odor:	Slight Olefinic		

Section 4: Fire and Explosion Hazard Data

Flash Point:	600 degrees F (ASTM D-1929)
Flammable Limits:	LEL – N/A UEL – N/A
Extinguishing Media:	Water, Carbon Dioxide, Foam
Special Fire Fighting Instructions:	Use self-contained breathing apparatus and full Protective gear.
Unusual Fire Explosion Hazards:	None.

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Section 5: Stability and Reactivity

Stability:	Stable
Materials to Avoid:	None known
Combustion/Decomposition Products:	Water, carbon dioxide, carbon monoxide, as well as some carbon residue when colorant contains carbon black. Due to the fact that a significant amount of the material is recycled plastic, other undetermined compounds could be released in small quantities.
Hazardous Polymerization:	Will not occur.

Section 6: Health Hazard Data

Primary Route(s) of Exposure:	Inhalation, skin and eye. Ingestion is unlikely route of exposure.
Potential Health Effects:	<p><u>Accute (Short-Term):</u> Breathing dust from this product may cause short-term irritation of the mouth, nose and throat.</p> <p>Skin contact with this product or with dust from this product may cause itching and short-term irritation, especially in people who are sensitive to fiberglass.</p> <p>Eye contact with dust from this product may cause mechanical irritation.</p> <p><u>Chronic (Long-Term):</u> There are no known health effects associated with long-term use or contact with this product. This product contains a small amount of encapsulated respirable fiberglass fiber-like fragments. Other types of respirable fiber, with comparable durability, have caused fibrosis and tumors in experimental animals. These fiber-like fragments are more durable in the lung than glass wool fibers.</p>

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Section 6: Health Hazard Data (Continued)

Medical Conditions Aggravated by Exposure:

Long-term breathing or skin conditions that are aggravated by mechanical irritants may be at a higher risk for worsening from contact with dust from this product.

Carcinogenicity:

NTP: No
IARC Monographs: No
OSHA Regulated: No

First Aid Measures:

Inhalation:

Move person to fresh air; seek medical attention.

Eye Contact:

Do not rub eyes; flush eyes with running water for at least 15 minutes; seek medical attention.

Skin Contact:

Wash with mild soap and running water; use a washcloth to help remove product; to avoid more irritation, do not rub or scratch irritated areas; rubbing and scratching may force product into skin; seek medical attention.

Ingestion:

Ingestion of this material is unlikely; however, if it does occur, seek medical attention immediately.

Section 7: Precautions for Safe Handling and Use

In Case of Spills or Accidental Release:

Scoop up or vacuum material. Place in a suitable container for disposal in accordance with any local, state or federal laws. Do not use compressed air for cleaning dust.

Storage Temperature:

This product can be maintained at a temperature less than or equal to 120 degrees F.

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Section 7: Precautions for Safe Handling and Use *(Continued)*

Storage Pressure:	N/A.
Storage Precautions:	Do not store near heat, open flames or strong oxidants or alkalis; store flat and well supported across entire span.

Section 8: Control Measures

Respiratory Protection:	A properly fitting NIOSH approved dust mask must be worn when machining this material.
Ventilation:	Machine this product only in a well ventilated area. Dust collection systems should be used to reduce dust levels below the personal exposure level when local ventilation is not sufficient, particularly during machining operations when higher levels of dust are generated.
Protective Gloves:	Should be worn when handling this product.
Eye Protection:	Properly fitting safety glasses, goggles or face shield should be worn when machining this product.
Other Protective Clothing:	Loose fitting long-sleeve shirt that covers the entire base of the neck and long pants.
Work/Hygienic Practices:	Wash before eating, drinking or smoking. Clothing that has been exposed to dust from this material should be washed before reusing.