

Material Safety Data Sheet

Bedford Technology, LLC
Select™ Plastic Lumber
FiberForce® Reinforced Plastic Lumber

Foamed, colored, recycled, Polyolefin material, colored DARK GRAY

Section 1: Contact Information

Product Manufacturer: Bedford Technology, LLC
2424 Armour Road
P O Box 609
Worthington MN 56187-0609

Telephone Number: 1-507-372-5558

Emergency Telephone Numbers: 1-507-372-5558

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Section 2: Composition/Information on Ingredients

HAZARDOUS COMPONENTS

Components	% by Weight	Cas -No.	MG/M ³ TWA	MG/M ³ TWA
			OSHA PEL	ACGIH TLV
Iron Oxide (Dust)	0.01%	1309-37-1	15.0	5.0
Aluminum Oxide (Dust)	0.007%	1344-28-1	10.0	10.0
Silicon Dioxide	0.0006%	7631-86-9	6.0	10.0
Pigment Yellow 119	0.08%	68187-51-9	N.A.	N.A.
Zinc Compound	N.A.	---	---	---
Carbon Black (PBK7)	0.07%	1333-86-4	3.5	3.5
Titanium Dioxide (Dust)	0.66%	13463-67-7	10.0	10.0

The level of exposure is considered to be negligible due to the plastic encapsulation and the low amount present in product % by weight.

Section 3: HAZARDS IDENTIFICATION

Principle routes of exposure: Low risk of entry in present form

Skin Contact	Low Hazard for usual industrial or commercial handling
Eye Contact	Low Hazard for usual industrial or commercial handling
Inhalation	Low Hazard for usual industrial or commercial handling
Ingestion	Ingestion is not expected to occur.

Section 4: FIRST AID MEASURES

Skin Contact	Encapsulated in plastic and likelihood of exposure is negligible
Eye Contact	Not likely to be a hazard in present form
Inhalation	Not likely to be a hazard in present form. If exposed to excessive levels of dust while machining, remove to fresh air.
Ingestion	Not likely to be a hazard in present form

Section 5: Physical and Chemical Properties

Boiling point:	N/A	Specific gravity: .70-.95 grams cubic cm
Vapor pressure:	N/A	Melting point: 225 – 275 F
Vapor density:	N/A	Evaporative Rate: Nil
Solubility in water:	N/A	
Appearance:	Colored solid plastic lumber	
Odor:	Slight Olefinic	

Section 6: Fire and Explosion Hazard Data:

Flash point:	600° F (ASTM D-1929)
Extinguishing media:	Water Spray, Carbon Dioxide, Foam or Dry Chemical
Special fire fighting instructions:	Use self-contained breathing apparatus and full protective gear

NFPA Health: 0 Flammability: 1 Instability: 0

Hazardous Combustion Products: NONE

Section 7: Stability and Reactivity

Stability:	Stable
Materials to avoid:	None known
Combustion/decomposition products:	Water, Carbon Dioxide, Carbon Monoxide, Nitrogen. Because a significant amount of the material is recycled plastic, other undetermined compounds could be released in small quantities.
Hazardous Polymerization:	Will not occur.

Section 8: Precautions for Safe Handling and Use

In case of spills or accidental release:	Scoop or vacuum material. Place in a suitable container for disposal in accordance with any local, state, or federal laws.
Storage temperature:	This product can be maintained at a temperature less than or equal to 120°F.
Storage pressure:	N/A
Storage precautions:	Do not store near heat, open flames, strong oxidants or alkalis. Store flat and well supported across the entire span.

Section 9: Exposure Controls/Personal Protection

Engineering measures to reduce exposure if machining/fabrication process generates excessive dust or fumes

Respiratory Protection:	Appropriate, approved respiratory protection to keep concentrations below PEL.
Eye Protection:	Wear eye/face protection appropriate for the hazard.
Skin and Body Protection	Low hazard for common handling practices
Work/Hygiene Protection:	Wash before eating, drinking or smoking

Section 10: Toxicological Information

Local Effects:

Skin	Non Toxic
Eye	Non Toxic
Inhalation	No data available
Ingestion	No data available
Sensitization	No data available
Chronic toxicity	No data available

Carcinogenicity:

Carbon Black is classified by: IARC = Group 2B.) Risk of exposure is reduced due to encapsulation in plastic.

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