

MATERIAL SAFETY DATA SHEET

TREX® WOOD-POLYMER LUMBER PRODUCTS

SDSTWP-01

DATE REVISED: 06-17-14

Section 1, Identification:

PRODUCT NAME: **TREX ACCENTS® and TREX SELECT® DECKING PRODUCTS**
COLORS: Woodland Brown
Madeira
Winchester Grey
Saddle
Pebble Grey
**TREX TRANSCEND® DECKING PRODUCTS (including Trex
Porch Profiles)**
Vintage Lantern
Gravel Path
Fire Pit
Tree House
Lava Rock
Spiced Rum
Rope Swing
Tiki Torch
Island Mist
TREX ENHANCE® DECKING PRODUCTS
Beach Dune
Clam Shell
Saddle

SUPPLIER: TREX COMPANY, INC
245 CAPITOL LANE
WINCHESTER, VA 22602

PRODUCT AND MSDS INFORMATION: 800-289-8739
EMERGENCY CONTACT: 800-289-8739

Section 2, Hazard(s) identification:

U.S. OSHA HAZARD COMMUNICATION STANDARD: This product may be used in applications that produce wood dust fibers. According to OSHA 29 CFR 1910.1200, certain wood fibers and carbon black are considered hazardous if the workplace airborne concentration exceeds the OSHA or ACGIH exposure limits (see section 8).

Section 3, Composition/information on ingredients:

Component	Appx. Wt %	OSHA PEL	CAS Registry
Polyethylene	N/A	N/A	9002-88-4
Zinc Oxide	N/A	5.0 mg/m ³	1314-13-2
TiO ₂	N/A	15.0 mg/m ³	13463-67-7
UV Additive	N/A	N/A	192268-64-7
UV Additive	N/A	N/A	25973-55-1
Carbon Black	N/A	3.5 mg/m ³	1333-86-4
Wood Fiber Dust	N/A	5.0 mg/m ³	N/A

NOTE: INGREDIENTS ARE CONTAINED IN A POLYETHYLENE MATRIX. Contains used thermoplastics and waste wood. Plastic obtained primarily from reclaimed/recycled grocery bags and stretch film; wood fiber is typically obtained from furniture makers and/or waste pallets. Standard product is approximately 40% - 50% thermoplastic and 50% - 60% wood fiber.

EFFECTS OF OVEREXPOSURE: Dust can irritate nose, throat and respiratory tract and may cause mechanical irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. Inhalation of certain wood fibers can cause nasal cancer. Carbon black is a possible carcinogen.

EMERGENCY RESPONSE DATA: Brown solid. Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. DOT ERG No. – NA

Section 4, First-aid measure:

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. Launder contaminated clothing before reuse.

INHALATION: If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust, remove from further exposure, seek immediate medical assistance and call for a physician.

INGESTION: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

Section 5, Fire-fighting measures:

Extinguishing Media: Water

Special Fire Fighting Procedures: Use water to keep fire exposed product cool. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Special Protective Equipment: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. Flash Point C(F): > 370 (698) (Flame Spread Index = 60). Flammable limits - LEL: NA, UEL: N/A.

NFPA Hazard ID: Health: 0, Flammability: 1, Reactivity: 0.

Hazardous Decomposition Products: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid.

Section 6, Accidental release measures:

Notification Procedures: None

Procedures if Material is Released or Spilled: Where dusty conditions are created as a result of cutting or sawing, wet dust down then sweep or vacuum for disposal. Personnel performing cleanup must use protective equipment.

Environmental Precautions: Not expected to be a problem.

Personal Precautions: See Section 8

Section 7, Handling and storage:

Handling: TREX® WOOD-POLYMER LUMBER is not intended for load bearing or heavy structural applications. Please consult Trex® Wood-Polymer Lumber's code listing and company literature for proper usage. Trex® Wood-Polymer Lumber is heavier than most traditional lumber products, proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

Storage: Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

Section 8, Exposure controls/personal protection:

Ventilation: Use in well-ventilated area.

Respiratory Protection: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.

Eye Protection: Safety glasses with side shields, or goggles, should be worn to protect against dust particles.

Skin Protection: No special equipment required. Good personal hygiene practices should always be followed.

Substance Name (CAS-No.)	Source	TWA	STEL
		ppm mg/m3	ppm mg/m3
Wood Fiber Dust			
Certified Hardwood	OSHA	5	
Softwood	OSHA	5	
Western Red Cedar	OSHA	2.5	
Softwood	ACGIH	5	10

Beech/Oak Cert. Hardwood	ACGIH	1
Carbon Black(1333-86-4)	OSHA	3.5
	ACGIH	3.5

Note: Limits shown for guidance only. Follow application regulations.

Section 9, Physical and chemical properties:

Typical physical properties are given below. Consult Product Data Sheet for specific details.

Appearance: Solid
 Color: Gray, Red, Brown
 Odor: None
 Odor Threshold - ppm: NE
 pH: N/A
 Boiling Point C(F): N/A
 Melting Point C(F): > 110 (230)
 Flash Point C(F): > 370 (698)
 Flammability: NE (Flame Spread Index = 60)
 Auto Flammability: 395 (743)
 Explosive Properties: N/A
 Oxidizing Properties: N/A
 Vapor Pressure-mmHg 20C: N/A
 Vapor Density: NE
 Evaporation Rate: NE
 Relative Density, 15/4 C: 0.96
 Solubility in Water: Negligible
 Partition Coefficient: NE
 Viscosity at 40C, cSt: N/A
 Viscosity at 100C, cSt: N/A
 Pour Point C (F): N/A
 Freezing Point C(F): NE
 Volatile Organic Compound: NE

N/A = Not Applicable NE = Not Established D = Decomposes

For further technical information, contact your marketing representative.

Section 10, Stability and reactivity:

Stability (Thermal, Light, Etc.): Stable.
 Conditions to Avoid: Heat and flame. Build up of dusts.
 Incompatibility (Materials to avoid): Strong oxidizers.
 Hazardous Decomposition Products: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid.
 Hazardous Polymerization: Will not occur.

Section 11, Toxicological information:

Acute Toxicology

Oral Toxicity (Rats): Not established.

Dermal Toxicity (Rabbits): Not established.

Inhalation Toxicity (Rats): Not established.

Eye Irritation (Rabbits): Not established.

Skin Irritation (Rabbits): Not established.

Chronic Toxicology (Summary)

IARC has determined that there is sufficient evidence to classify wood fiber as a human carcinogen. IARC has classified carbon black as a possible human carcinogen based on animal data. When wood fiber and carbon black are incorporated into a polymer matrix exposure is virtually eliminated.

Revision History:

Updated to reflect SDS standards

Date: 06-17-14