



**SECTION 1 - IDENTIFICATION:**

**TREX® WOOD-POLYMER LUMBER PRODUCTS, TO INCLUDE THE FOLLOWING:**

PRODUCT NAME: **TREX TRANSCEND® EARTH TONES, TROPICALS & LINEAGE DECKING**

COLORS: Vintage Lantern      Gravel Path  
Lava Rock      Spiced Rum  
Rope Swing      Tiki Torch  
Island Mist      Havana Gold  
Biscayne      Rainier  
Carmel      Jasper

**TREX SELECT® DECKING**

COLORS: Woodland Brown  
Madeira  
Winchester Grey  
Saddle  
Pebble Grey

**TREX ENHANCE® NATURALS AND BASICS DECKING**

COLORS: Beach Dune      Rocky Harbor  
Clam Shell      Toasted Sand  
Saddle      Coastal Bluff  
Foggy Wharf

SUPPLIER: TREX COMPANY, INC  
160 EXETER DRIVE  
WINCHESTER, VA 22603

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

REVISION: 3-31-22

**SECTION 2 - HAZARD IDENTIFICATION:**

**HEALTH HAZARD:**

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.

**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.

**PHYSICAL / CHEMICAL HAZARDS:**

No significant hazards.

**ENVIRONMENTAL HAZARDS:**

No significant hazards.

NFPA HAZARD ID: Health: 0 Flammability: 1 Reactivity: 0

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 3 – COMPOSITION / INFORMATION ON INGREDIENTS:**

<u>Component</u>	<u>Appx. Wt %</u>	<u>OSHA PEL</u>	<u>CAS Registry</u>
Polyethylene	N/A	N/A	9002-88-4
Zinc Oxide	N/A	5.0 mg/m <sup>3</sup>	1314-13-2
TiO <sub>2</sub>	N/A	15.0 mg/m <sup>3</sup>	13463-67-7
UV Additive	N/A	N/A	192268-64-7
UV Additive	N/A	N/A	3896-11-5
Carbon Black	N/A	3.5 mg/m <sup>3</sup>	1333-86-4
Wood Fiber Dust	N/A	5.0 mg/m <sup>3</sup>	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.

<u>Chemical Name</u>	<u>CAS Number</u>
Wood Fiber Dust	
Carbon Black	1333-86-4
Polyethylene	9002-88-4

**SECTION 4 – FIRST AID MEASURES:**

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.

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 and 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 ppm mg/m3	STEL ppm mg/m3
Wood Fiber Dust – Certified Hardwood	OSHA	5	
Wood Fiber Dust – Softwood	OSHA	5	
Wood Fiber Dust – Western Red Cedar	OSHA	2.5	
Wood Fiber Dust – Softwood	ACGIH	5	10
Wood Fiber Dust – beech/Oak Cert. Hardwood	ACGIH	1	
Carbon Black (1333-86-4)	OSHA and 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

## **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.

**SECTION 12 – ECOLOGICAL INFORMATION:**

ENVIRONMENTAL FATE AND EFFECTS: Not established.

**SECTION 13 – DISPOSAL CONSIDERATIONS:**

WASTE DISPOSAL: Dispose of waste as normal refuse.

**SECTION 14 – TRANSPORT INFORMATION:**

HS NUMBER: 3925.90.0000  
 USA DOT: Not regulated by USA DOT.  
 IMO: Not regulated by IMO.  
 IATA: Not regulated by IATA.

**SECTION 15 - REGULATORY INFORMATION:**

GOVERNMENTAL INVENTORY STATUS: All components comply with TSCA.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: This product contains no “EXTREMELY HAZARDOUS SUBSTANCES.”

SARA (311/312) REPORTABLE HAZARD CATEGORIES: CHRONIC

This product contains no chemicals reportable under SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

<u>Chemical Name</u>	<u>List Citations</u>
Wood Fiber Dust	1, 2, 6
Carbon Black	8

----REGULATORY LISTS SEARCHED----

1 - ACGIH ALL	6 - IARC 1	11 - TSCA 4	17 - CA P65	22 - MI 293
2 - ACGIH AL	7 - IARC 2A	12 - TSCA 5A2	18 - CA RTK	23 - MN RTK
3 - ACGIH A2	8 - IARC 2B	13 - TSCA 5E	19 - FL RTK	24 - NJ RTK
4 - NTP CARC	9 - OSHA CARC	14 - TSCA 6	20 - IL RTK	25 - PA RTK
5 - NTP SUS	10 - OSHA Z	15 - TSCA 12B	21 - LA RTK	26 - RI RTK

CODE KEY: CARC = CARCINOGEN      SUS = SUSPECTED CARCINOGEN

USE: COMPOSITE LUMBER PRODUCTS

INGREDIENT	PCT
Wood Fiber	50-60
Polyethylene	40-50
Carbon Black	< 1

## **SECTION 16 – OTHER INFORMATION:**

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Trex® assumes no responsibility for accuracy of information unless the document is the most current available from an official Trex® distribution system. Trex® neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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