

# MATERIAL SAFETY DATA SHEET

TREX<sup>®</sup> Artisan Series railing

MSDSART-01

## PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TREX<sup>®</sup> Artisan series railing

**COLORS:** White

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

**PRODUCT AND MSDS INFORMATION:** 800-BUY-TREX

## COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAMES AND SYNONYMS:** WOOD FIBER

### **INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:**

<u>Component (CAS#)</u>	<u>Percent Composition</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TLV (TWA)</u>
Andersen Vinyl blend	(60%-32%)	5 mg/m <sup>3</sup> * 15 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup>
Polyvinyl Chloride resin	(>50%)	5 mg/m <sup>3</sup> * 15 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup>
Titanium dioxide (13463-67-7)	(<2%)	5 mg/m <sup>3</sup> * 15 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup>
Acrylic polymer blend (25852-37-3/9010-88-2)	(<1%)	5 mg/m <sup>3</sup> * 15 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup>
N,N'-ethylene bis(stearamide) (110-30-5)	(<3%)	5 mg/m <sup>3</sup> * 15 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup>
Organotin compounds (57583-35-4/57583-34-3)	(<1%)	0.1 mg/m <sup>3</sup> (skin)	0.1 mg/m <sup>3</sup> (skin)
Calcium stearate (1592-23-0)	(<2%)	None Exists	10 mg/m <sup>3</sup>
Wood (as dust)	(38%-40%)	5mg/m <sup>3</sup> 10mg/m <sup>3</sup>	5mg/m <sup>3</sup> 10mg/m <sup>3</sup>
Ponderosa pine	(95%)	(STEL)	(STEL)
Laminated veneer lumber	(4%)		
Douglas fir	(<1%)		
hemlock	(<1%)		

\* applies to respirable dust

\*\* applies to total dust

**PEL** is the Occupational Safety and Health Administration (OSHA) permissible exposure limit and represents exposure concentrations that should not be exceeded. **TLV** is the American Conference of Industrial Hygienists (ACGIH) threshold limit value and refers to airborne concentrations of substances and represents conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse health effects.

**Fire and Explosion hazard data**

**Flash point:** Not established for this product, but expected to be greater than 400 F based on product component information

**Flammable limits:** LEL = NA UEL = NA

**Extinguishing media:** Water (most effective), ABC dry chemical and AFFF and protein type air foams

**Special fire fighting procedures and precautions:** Use pressure-demand Self-Contained Breathing Apparatus (SCBA)

**Unusual fire and explosion hazards:** The material may burn like any normal combustible material, but is difficult to ignite. Combustion will yield carbon monoxide and hydrogen chloride as the primary toxic products. Carbon monoxide (PEL-TWA = 35 ppm, PEL-C = 200 ppm) interferes with transport of oxygen from the lungs causing oxygen deficiency in the body with symptoms of the central nervous system impairment. Hydrogen chloride (PEL-C = 5 ppm) is an eye and upper respiratory irritant. Combustion of the vinyl-containing product does not yield phosgene or acrolein.

**NFPA hazard rating:** Health = 2 Flammability = 1 Reactivity = 0  
(O = insignificant hazard, 1 = slight, 2 = moderate, 3 = high, 4 = extreme)

**Health Hazard Data**

Route(s) of entry: Inhalation (yes), Skin (no), Ingestion (no)

**Acute health effects:** Exposure to the product at ambient conditions is not expected to cause any adverse health effects. At high temperatures of processing, fumes, gasses and vapors (thermal decomposition products) may be evolved which can cause eye and upper respiratory irritation

**Chronic health effects:** Effects of chronic exposure to fumes, gases and vapors have not been determined

**Carcinogenicity:** OSHA (no) IARC (no) NTP (no)

Emergency and first aid procedures:

**Inhalation:** Remove victim to a clean air area. Monitor breathing. Provide breathing assistance as necessary. Contact emergency medical services if breathing is difficult.

**Skin:** Practice good personal hygiene. If skin is contacted by hot material, treat as a burn

**Ingestion:** Not an anticipated hazard.

### **Precautions for Safe Handling and use**

Avoid breathing thermal decomposition products generated during processing. Practice good personal hygiene when working with the product. Wash thoroughly before eating, smoking or using toilet facilities. Do not store, consume, or prepare food in the processing areas.

#### **Control measures:**

Respiratory protection: NIOSH/MSHA approved respirators may be worn in accordance with a written respiratory protection program (per 29 CFR 1910.134 Respiratory Protection) to prevent exposure to thermal decomposition products or dust at concentrations above OSHA PEL.

**Ventilation:** Provide local exhaust ventilation and general room ventilation to maintain exposure concentrations of thermal decomposition products below the respective OSHA PEL's. Ventilation may be required for the following processes: Hot melting, cutting or sawing, machining, regrinding, thermoforming, and other post-processing operations involving heat sufficient enough to cause thermal degradation.

**Protective gloves:** Wearing gloves when handling material is not necessary, but recommended

**Eye protection:** Wear safety glasses when machining material

**Other protective clothing/equipment:** A work coverall can be worn to protect the skin during the work shift. If exposure is substantial, the coverall should be changed at the end of the work shift.

**Work/Hygienic practices:** Avoid overheating or burning the material to minimize generation of thermal decomposition products. Maintain a clean work floor to minimize slipping hazards presented by cut materials.

**APPROVAL DATE: 05/27/08**