SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

TREX® WOOD-POLYMER PRODUCTS

TREX CONTOUR® DECKING PRODUCTS, Torino Brown, Chateau Grey, Moroccan Red, Honey Brown, Clove Brown, Russet Red, Sand Brown
TREX ENHANCE® DECKING PRODUCTS, Beach Dune, Clam Shell
TREX TRANSCEND® DECKING PRODUCTS, Vintage Lantern, Gravel Path, Fire Pit, Tree House, Lava Rock, Spiced Rum, Rope Swing, Tiki Torch, Island Mist, Havana Gold

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Wood-polymer products, for industrial use.

1.3 Details of the supplier of the safety data sheet:
TREX COMPANY, INC.
245 Capitol Lane
Winchester, VA 22602
Tel.: + 1 800 289 8739

1.3.1. E-mail: question@trex.com

1.4. Emergency telephone number: + 1 800 289 8739

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation 1999/45/EC:

Not considered as hazardous mixture.

R phrases: -

S phrases: -

2.2. Label elements

No labeling required.

2.3. Other hazards
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 carcinogenic.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture:

Description	CAS number:	EU number	REACH reg. nr.	Conc. (%)	Classification				
					REACH		CLP		
					Hazard symbol	R phrase	Hazard pict.	Hazard cat.	H phrase
Carbon black*	1333-86-4	215-609-9	-	< 1	-	-	-	-	-

* Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

Further components: wood fiber dust: 50 – 60 %, polyethylene: 40-50 %.

Note: wood dust and carbon black 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 pellets. Standard product is approximately 40-50% thermoplastic and 50-60% wood fiber.

4. FIRST AID MEASURES

4.1. Description of first aid measures:

IN CASE OF INGESTION:

Measures:

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

IN CASE OF INHALATION:

Measures:

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

IN CASE OF SKIN CONTACT:

Measures:

- Wash contact areas with soap and water.
- Launder contaminatd clothing before re-use.

IN CASE OF EYE CONTACT:

Measures:

- Flush thoroughly with water.
- If irritation occurs, obtain medical help.

4.2. Most important symptoms and effects, both acute and delayed:

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Water.

5.1.2. Unsuitable extinguishing media:

None known.

5.2. Special hazards arising from the substance or mixture:

Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion.
Hazardous decomposition products: smoke, carbon monoxide, acetaldehyde, formaldehyde, formic acid, acetic acid.

5.3. Advice for firefighters:

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

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:

None known.

6.2. Environmental precautions:

Dispose of spillage and waste (product/packaging) in accordance with all applicable environmental laws. Do not allow to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

When 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.

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.
Technical measures:
TREX® WOOD-POLYMER LUMBER is not intended for load bearing or heavy structural applications. Please consult Trex® Wood-Polymer Lumber's code listing, NER-508, 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.

Use in well-ventilated area.
Precautions against fire and explosion:
No specific prescription.

7.2. Conditions for safe storage, including any incompatibilities:
Technical measures and storage condition:
Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.
Follow all instructions on the label.
Incompatible materials: strong oxidizers.
Packaging material: no specific prescription.

7.3. Specific end use(s):
No specific instructions available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure limit values: -

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
		Dermal	Short term (acute) Long term (repeated)	
		Inhalative	Short term (acute) Long term (repeated)	
		Oral	Short term (acute) Long term (repeated)	

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
			Short term (single use) Long term (continuous)	
			Short term (single use) Long term (continuous)	
			Short term (single use) Long term (repeated)	

8.2. Exposure controls:
In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1 Appropriate engineering controls
In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.
Use in well-ventilated area.
Good personal hygiene practices should always be followed.

8.2.2. Individual protection measures, such as personal protective equipment:
1. Eye/face protection: safety glasses with side shields or goggles should be worn to protect against dust particles.
2. Skin protection:
   a. Hand protection: no special equipment required.
   b. Other: no special equipment required.
3. Respiratory protection: approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.
4. Thermal hazard: none known.

8.2.3. Environmental exposure controls:
No specific prescription.
The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1. Information on basic physical and chemical properties:

Parameter		Test method:	Remarks:
1. **Appearance:**	gray, red, brown solid		
2. Odour:	odourless		
3. Odour threshold:	no data available.		
4. pH value:	no data available		
5. Melting point/ freezing point:	> 110°C		

6.	Initial boiling point/boiling range:	no data available
7.	Flash point:	> 370°C
8.	Evaporation rate:	no data available
9.	Flammability:	no data available
10.	Upper/lower flammability or explosive limits:	no data available
11.	Vapour pressure:	no data available
12.	Relative density:	0,96
13.	Solubility(ies):	in water: negligible
14.	Partition coefficient: n-octanol/water:	no data available
15.	Self-ignition temperature:	395°C
16.	Degradation temperature:	no data available
17.	Viscosity:	no data available
18.	Explosive properties:	no data available
19.	Oxidizing properties:	no data available

9.2. Other information:
No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity
None known.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions:
Hazardous polymerization will not occur.

10.4. Conditions to avoid:
Heat, flame, build up of dusts.

10.5. Incompatible materials:
Strong oxidizers.

10.6. Hazardous decomposition products:
Smoke, carbon monoxide, acetaldehyde, formaldehyde, formic acid, acetic acid.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute toxicity: none known.
Irritation: none known.
Corrosivity: none known.
Sensitisation: none known.
Repeated dose toxicity: none known.
Carcenogenity: none known.
Mutagenicity: none known.
Reproduction toxicity: none known.

11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:
No data available.

11.1.2. Relevant toxicological properties of the hazardous substances:
No data available.

11.1.3. Information on likely routes of exposure:
ingestion, inhalation, skin and eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:
No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
No data available.

11.1.6. Interactive effects:
No data available.

11.1.7. Absence of specific data:
No information.

11.1.8. Other information:
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.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:
No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulation potential:
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects:
No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:
Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:
Dispose of waste as normal refuse.
During the disposal of the product, its residue and its packaging the national and local prescriptions should be observed. The EWC codes indicated below are only recommendations, but they may have to be changed due to special circumstances, in such cases new classification may be needed.

13.1.2. Information regarding the disposal of the packaging
According to the consideration regarding the product.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:
None known.

13.1.4. Sewage disposal:
None known.

13.1.5. Special precautions for any recommended waste treatment:
No data available.

14. TRANSPORT INFORMATION

Not dangerous good in sense of the transport regulations!

14.1. UN Number:
-

14.2. UN proper shipping name:
-

14.3. Transport hazard class(es):
-

14.4. Packaging group
-

14.5. Environmental hazard
-

14.6. Special precautions for user
-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
-

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment: -

16. OTHER INFORMATION

Information regarding the revision of the safety data sheet: -
Full text of the abbreviations in the safety data sheet:
DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: Carcinogenity, Mutagenicity and reproduction toxicity. PBT: Persistent, bioaccumulative and toxic. n.d.: not defined. n.a.: Not applicable.
Data sources: -
Relevant R-Phrases (number and full text) of Section 2 and 3: -
Relevant H-Phrases (number and full text) of Section 2 and 3: -
Training instructions: -
Recommended restrictions on use (non-statutory recommendations by supplier): -
This safety data sheet had been prepared on the basis of information provided by the manufacturer. The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required. Since the conditions or the handling, the storage and the disposal of this product are beyond the control of the manufacturer, the distributor or the preparer of this SDS, no warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. No responsibility is assumed regarding the accuracy, completeness or suitability of all or any of the information contained herein or the results to be obtained from the use thereof at the time of use. In no way shall the manufacturer, the distributor or the preparer of the be liable for any claims, losses or damages of third parties, personal injury, property damage, lost profits or any special, direct, indirect, incidental, consequential or exemplary damages resulting from the use of or reliance upon such information. Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.