Material Safety Data Sheet

1. Chemical Product and Company Identification

August 1997
Revised August 2009

TimberTech HDPE/Wood Composite Product

Company Identification	Emergency Telephone Number
TimberTech Limited 2141 Fairwood Avenue 894 Prairie Road Wilmington, Ohio 45177	1(937)655-8766

2. Composition/Information on ingredients

Substance Name	Weight %	CAS #	TLV
Wood Fiber Dust	40-60		15 mg/m^3 (total)
HD Polyethylene	25-60	9002-88-4	NA
Trade Secret	5-20		2 mg/m^3 NIOSH (respirable fraction)
Trade Secret	2-10		Not Established

Note: Contains thermoplastics and waste wood products. The product is extruded into wood replacement items and is used in a wide variety of applications. Toxicology data (Section 11) applies to finished product unless otherwise stated.

3. Hazards Identification

Effects of Overexposure: Inhalation of dust generated during processing can irritate nose, throat and respiratory tract. In some sensitive individuals, repeated exposures to certain wood dusts can produce allergic responses including asthma and rhinitis.

Emergency Response Data: Natural Solid. Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion.

4. First Aid Measures

Eye Contact: Following exposure to dust: Flush thoroughly with water. If irritation occurs, call a physician.
Skin Contact: Exposure to dust not expected to be a problem. If irritation occurs, wash with soap and water.
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 a physician.
Ingestion: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

5. Fire-Fighting Measures

Extinguishing media: Water, foam, dry chemical
Special Fire-fighting Procedures: Use water to keep 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 >430F (estimate)
NFPA Hazard ID. Health 0; Flammability: 1; Reactivity: 0
Hazardous Decomposition Product: Carbon monoxide, Acetaldehyde, Formaldehyde, Formic acid, Acetic acid.

6. Accidental Release Measures

Notification Procedures: None.
Procedures if material is Released or Spilled: Not Applicable for product in purchased form. Where dusty conditions are created as a result of cutting or sawing, wet sweep or vacuum dust for disposal. Personnel performing cleanup must use protective equipment.
Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil.
Personal Precautions: See Section 8

7. Handling and Storage

Handling: Do not use in applications where heavy structural loads or bracing is required. Timbertech is heavier than most traditional lumber product; 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 unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. Exposure Controls/Personal Protection

Ventilation: Use with adequate ventilation in processing operations. No special requirements under ordinary conditions of use and with adequate ventilation.
Respiratory Protection: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely. No special requirements under ordinary conditions of use and with adequate ventilation.
Eye Protection: Safety glasses with side shields, or goggles, should be worn to protect against dust particles.
Skin Protection: No special equipment required. However, good personal hygiene practices should always be followed.

9. Physical and Chemical Properties

Typical physical properties are given below

Appearance: Solid
Color: Varies
Odor: None
Odor Threshold: NA
Boiling Point: NA
Melting Point: NA
Flash Point: >430F (estimate)
Auto Flammability: 825F
Explosive Properties: NA
Oxidizing Properties: NA
Vapor Pressure: mmHg 20 C: NA
Vapor Density: NA
Evaporation Rate: NA
Relative Density, >1
Solubility in Water: Negligible
Partition Coefficient: NE
Viscosity at 40 C, cSt: NA
Viscosity at 100 C, cSt: NA
Pour Point C(F): NA
Freezing Point C(F): NA
Volatile Organic Compound: NE

NA = Not Applicable NE = Not Established

10. Stability and Reactivity

Stability (Thermal, Light, Etc.): Stable
Conditions to Avoid: Extreme heat.
Incompatibility (materials to avoid): Strong oxidizers.
Decomposition Products: Carbon monoxide, Aldehyde, organic acid.
Hazardous Polymerization: Will not occur.

11. Toxicological Data

Acute Toxicology
Oral toxicity (Rats):Practically non-toxic (LD50: greater than 2000mg/kg)
(Based on testing of similar products and/or the components.
Dermal Toxicity (Rabbits): Not Applicable

Inhalation toxicity (Rats): Not Applicable – Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonable foreseeable handling, use or misuse of this product.
Eye Irritation (Rabbits): Not established
Skin Irritation (Rabbits): Practically non-irritating. (Primary irritation Index: 0.5 or less). Based on testing of similar products and/or the components.

12. Ecological Information

Environmental fate and effects: Not established

13. Disposal Considerations

Waste Disposal: Dispose of waste as normal refuse/
RCRA Information: The unused product (scrap) is not listed by the EPA as a hazardous waste (40CFR Part 261ZD). It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated local governing bodies.

14. Transport Information

U.S. DOT: Not Regulated

15. Toxicity Characteristic Leaching Procedure (TCLP): All analytical results for the metal, VOC, and SVOC portions of the TCLP analytical test were at or below the adjusted reporting limit. All results are below detection limits and the materials testes are not considered a hazardous waste.

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