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## Material Safety Data Sheet

### 1. Chemical Product and Company Identification

August 1997  
Revised April 2005

#### TimberTech CX-9

##### Company Identification

TimberTech Limited  
2141 Fairwood Avenue  
894 Prairie Road  
Wilmington, Ohio 45177

##### Emergency Telephone Number

1(937)655-8766

### 2. Composition/Information on ingredients

<u>Substance Name</u>	<u>Weight %</u>	<u>CAS #</u>	<u>TLV</u>
Wood Fiber Dust	40-60		15 mg/m <sup>3</sup> (total)
HD Polyethylene	25-60	9002-88-4	NA
Trade Secret	5-20		2 mg/m <sup>3</sup> 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.

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#### 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.

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

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

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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, in our opinion, is not specifically listed by the EPA as a hazardous waste (40CFR Part 261ZD), nor is it formulated to contain materials which are listed hazardous wastes. 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.

## **14. Transport Information**

U.S. DOT: Not Regulated

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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.

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Prepared by: Crane Plastics Company  
Safety and Environmental & TimberTech Limited Research and Development Groups

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