

# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GreenT Hardwood Plywood

**Product No.:** Not applicable

**Synonyms:** Hardwood plywood, plywood paneling, plywood

**Molecular Formula:** Not applicable/Mixture

**Manufacturer Name:**  
Timber Products Company  
25 East McAndrews Road  
Medford, Oregon 97501

**Emergency Telephone:**  
CHEMTREC – (800) 424-9300 or (703) 527-3887

**Intended Use:** Construction material

## 2 HAZARDS IDENTIFICATION

**General Information:** Under normal handling, the product is expected to pose low health hazards as the ingredients are firmly embedded in a wood matrix. Dusts generating from sawing, sanding, or machining of this particleboard may post the health hazards described in this MSDS.

### Emergency Overview

**Physical State:** Solid (panel)  
**Color:** Varies with formulation  
**Odor:** Varies with formulation

### WARNING!

Inhalation of wood dust may cause allergic respiratory reactions depending on wood type.  
Dust may cause eye and respiratory tract irritation.

### Potential Health Effects

Health effects listed are for wood dust:

**Inhalation:** Dust may cause nasal dryness, respiratory tract irritation, and allergic respiratory reactions. Exposure may include coughing, asthmatic breathing, and breathlessness.

**Eye Contact:** Dust may cause eye irritation. Exposure may include eye tearing, redness and discomfort.

**Skin Contact:** Dust may cause mechanical irritation. Exposure may cause irritation, dermatitis, rash and redness.

**Ingestion:** Not expected to be a route of entry.

**Chronic Health Effects:** The NTP and IARC classify wood dust as a carcinogen. Wood dust, depending on the species, may cause allergic contact dermatitis and respiratory sensitization with prolonged, repetitive contact or exposure to elevated dust levels. Prolonged exposure (depending on the species) of wood dust has shown to be associated with nasal cancer.

**Target Organ(s):** Nasal passages, lung

**OSHA Regulatory Status:** Wood products are not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, any wood dust or formaldehyde emissions generated by sawing, sanding or machining this product may be hazardous.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

**General Information:** This product is used as plywood, a construction material.

Chemical Name	CAS No.	Concentration
wood dust	not applicable	proprietary
synthetic adhesive	not applicable	proprietary
*formaldehyde	50-00-0	< 50 ppm

\*This product does not contain urea-formaldehyde (UF) resins.

†The ingredients of this product are bound together under heat and pressure.  
Components not listed are not hazardous or are below reportable limits.

### 4 FIRST AID MEASURES

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Eye Contact:** In case of contact with dust, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention.

**Skin Contact:** Wash with soap and water. If skin irritation develops, get medical attention. Wash clothing before reuse.

**Ingestion:** Not applicable

### 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water spray, carbon dioxide or dry chemical

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

**Unusual Fire & Explosion Hazards:** Dust may form explosive dust-air mixtures. Depending on moisture content and particle diameter, wood dust may explode in the presence of an ignition source.

**Hazardous Combustion Products:** Burning of wood can produce irritating fumes and gases including carbon monoxide, carbon dioxide, aldehydes and organic acids.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate personal protective equipment (See Section 8).

**Spill Cleanup Methods:** Not applicable for product in purchased form. Wood dust generated from sawing, sanding, or machining may be vacuumed or shoveled for recovery or disposal. Avoid generating dust.

## 7. HANDLING AND STORAGE

**Handling:** No special handling precautions are warranted for product in purchased form.

When the product is sawed, sanded, machined, or other abrading processes, wear appropriate personal protective equipment. See Section 8. Avoid breathing dust. Avoid getting dust into eyes. Use only with adequate ventilation. Wash thoroughly after handling.

**Prevention of Fire and Explosion:** Keep away from strong oxidizing agents. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

**Storage:** Store in a cool, dry place. Keep away from ignition sources when machining.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

Chemical Name	Source	Type	Exposure Limits	Notes
Wood dusts inhalable fraction	ACGIH	TWA	1 mg/m <sup>3</sup>	Pulmonary function
Wood dust (all hard and softwoods)	OSHA	TWA	5 mg/m <sup>3</sup>	--
Wood dust (total dust)	OSHA	TWA	15 mg/m <sup>3</sup>	--
Formaldehyde	ACGIH	Ceiling Limit	0.3 ppm	Irritation
Formaldehyde	OSHA	TWA	0.75 ppm	--
Formaldehyde	OSHA	Action Level	0.5 ppm	--
Formaldehyde	OSHA	STEL	2 ppm	--

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne contaminants below established exposure limits.

**Respiratory Protection:** If engineering controls do not keep airborne concentrations below established exposure limits, wear a NIOSH-approved respiratory equipped with high efficiency particulate filter. Contact health and safety professionals for specific information.

**Eye Protection:** When sawing, sanding or machining this product, wear approved safety goggles or glasses with side shields. Wear a full-face respirator, if needed.

**Hand Protection:** Wear leather gloves. Contact health and safety professionals for additional information.

**Skin Protection:** Wear disposable coveralls, lab coat, or apron to prevent skin contact.

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Color:** Varies with formulation

**Odor:** Varies with formulation

**Odor Threshold:** No data available

**Physical State:** Solid (panel)

**pH:** Not applicable

**Melting Point:** Not applicable

**Freezing Point:** Not applicable

**Boiling Point:** Not applicable

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Flammability Limit - Upper (%):** No data available

**Flammability Limit - Lower (%):** No data available

**Vapor Pressure:** Not applicable

**Vapor Density (Air=1):** Not applicable

**Specific Gravity:** < 1 (estimated)

**Solubility in Water:** Insoluble

**Solubility (Other):** No data available

**Partition Coefficient (n-Octanol/water):** Not applicable

**Auto-ignition Temperature:** No data available.

**Decomposition Temperature:** No data available.

**Viscosity:** Not applicable

**Percent Volatile:** Not applicable

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable.

**Conditions to Avoid:** Dust accumulation, sources of ignition, elevated temperatures.

**Incompatible Materials:** Strong oxidizing agents, strong acids.

**Hazardous Decomposition Products:**

At Elevated Temperatures: Carbon dioxide, carbon monoxide, aldehydes, organic acids

**Possibility of Hazardous Reactions:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

This product has not been tested for toxicological effects in purchased form.

### **Specified Substances:**

OSHA lethal dose for wood dust = 0.5 – 5 g/kg

### **Listed Carcinogens:**

<b>Chemical Name</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>	<b>ACGIH</b>
Wood dust	Group 1 Carcinogenic to humans	Known Carcinogen	--	A4 – Not classifiable as a human carcinogen

**Acute Effects:** The dust, which may be generated during manual or mechanical cutting, drilling, sanding, or other abrading processes and the smoke generated by heating or cutting, may cause temporary irritation of the eyes and respiratory tract. Allergic skin and lung reactions have been reported with exposure to various wood dusts due to the chemicals presented in wood.

**Chronic Effects:** Wood dust, depending on the species, may cause respiratory sensitization and/or irritation. IARC classifies wood dust as a Group 1 carcinogen to humans. Long-term inhalation of wood dust, above exposure limits, can cause nasal lesions, bleeding, asthma, or possible pulmonary abnormalities (i.e. lung and nasal cancer).

## 12 ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

## 13 DISPOSAL CONSIDERATIONS

**General Information:** Dispose in accordance with applicable federal, state, and local regulations. Incinerate.

**Disposal Methods:** No specific disposal method required.

**Recycle:** This panel is recyclable.

## 14 TRANSPORT INFORMATION

**DOT:** Not Regulated

**TDG:** Not Regulated

**IATA:** Not Regulated

**IMDG:** Not Regulated

**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** D/2/A

**Inventory Status**

**This product or all components are listed on the following inventory:** TSCA, DSL

**US Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not regulated

**SARA Title III**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** Not regulated

**Section 311/312 (40 CFR 370):**

Acute (Immediate)     Chronic (Delayed)     Fire     Reactive     Pressure Generating

**Section 313 Toxic Release Inventory (40 CFR 372):** Not regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

Regulated Component	Classification	CAS No.
Formaldehyde (solution)	Regulated Toxic Substance	50-00-0

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):**

Regulated Component	CAS No.	Reportable Quantities
Formaldehyde	50-00-0	100 lbs

**Drug Enforcement Act:** Not regulated.

**TSCA:**

**TSCA Section 4(a) Final Test Rules & Testing Consent Orders:** Not regulated.

**TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt. E):** Not regulated

**TSCA Section 5(e) PMN-Substance Consent Orders:** Not regulated

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated

**State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING: This product contains a chemical that is known to the State of California to cause cancer.

CA Prop 65 Chemical(s): Formaldehyde (Gas)

**Massachusetts Right-To-Know List:** Formaldehyde

**Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)):** Not listed

**Minnesota Hazardous Substances List:** Wood dust (all soft and hard woods)

**New Jersey Right-To-Know List:** None listed.

**Pennsylvania Right-To-Know List:** Wood dust (certain hardwoods and all softwoods)

**Rhode Island Right-To-Know List:** Wood dust

<b>16</b>	<b>OTHER INFORMATION</b>
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**HAZARD RATINGS**

	<b>Health Hazard</b>	<b>Fire Hazard</b>	<b>Instability</b>	<b>Special Hazard</b>
<b>NFPA</b>	1	1	0	NONE

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

	<b>Health Hazard</b>	<b>Flammability</b>	<b>Physical Hazard</b>	<b>Personal Protection</b>
<b>HMIS</b>	1*	1	0	E

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*- Chronic Health Effect

Personal Protection codes: E – Safety glasses + gloves + dust mask

HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

**Issue Date:** 24 July 2008

**Supersedes Date:** New

**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.