



**Freres Lumber Co., Inc.**  
**Wood and Wood Products**  
**Effective Date: 01/01/2005**

**Material Safety Data Sheet**

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**Section 1. Chemical Product and Company Identification**

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**Product Names:** Wood and Wood Products- Non Urea-Formaldehyde Bonded  
Softwood Plywood  
Lumber

**Product Use:** Building Materials- structural, industrial, decorative

**Manufacturer/Distributor:** Freres Lumber Co., Inc.  
PO box 276  
Lyons, OR 97358  
(503) 859-2121

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**Section 2. Composition Information on Hazardous Ingredients**

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Component	% WT.	CAS NO.	OSHA PEL	ACGIH TLV
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\* No hazardous ingredients \*

See Section 8 for exposure limits for wood dust generated from sawing, sanding, or machining the product.

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**Section 3. Hazards Identification**

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**Description:** Solid wood, such as lumber, and wood products, such as softwood plywood, not bound with a urea-formaldehyde resin.

**Emergency Overview**

Sawing, sanding, or machining wood products can produce wood dust which can cause an explosion hazard. Wood dust may cause eye, nose, and throat irritation.

**Potential Health Effects**

**Inhalation:** Wood dust may cause nasal dryness, irritation, coughing, and sinusitis.

Repeated exposures (even below 5 mg/m<sup>3</sup>) to certain wood dusts can produce allergic responses in some sensitive individuals.

**Eye Contact:** Wood dust can cause mechanical irritation.

**Skin Contact:** Various species of wood dust may evoke allergic contact dermatitis in sensitized individuals. If an allergy preexists or develops, it may be necessary to remove the sensitized worker from further exposure to wood dust or wood-based products.

**Ingestion:** Not applicable under normal conditions of use.

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## **Section 4. First Aid Measures**

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**Inhalation:** Remove to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.

**Eye Contact:** remove contact lenses. Flush eyes, including under eyelids, with large amounts of water. If irritation persists, get medical attention.

**Skin Contact:** Wash affected areas with soap and water. If rash or persistent irritation or dermatitis occurs, get medical attention.

**Ingestion:** Not applicable under normal conditions of use.

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## **Section 5. Fire Fighting Measures**

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**Flash Point:** Not applicable.

**Explosive Limits:** Sawing, sanding, or machining wood products can produce wood dust as a by-product. Wood dust is a strong to severe explosion hazard if a dust “cloud” contacts an ignition source. 212°F (100°C) has been suggested as the upper temperature limit for continuous exposure for wood without risk of ignition (wood dust may require a still lower temperature). An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit (LEL) for wood dust.

**Hazardous Combustion Products:** Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes, and organic acids.

**Auto Ignition Temperature:** 400° - 500°F (204°-260°C)

**Fire Extinguisher Media:** Water. Partially burned dust is especially hazardous if dispersed into the air. Remove burned or wet dust to open area after fire is extinguished.

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## **Section 6. Accidental Release Measures**

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Not applicable for product in purchased form. Sweep or vacuum dust for recovery or disposal. Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust.

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## Section 7. Handling and Storage

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**Handling:** See Section 15 “Label Text”

**Storage:** Wood products are combustible and, therefore, should not be subjected to temperatures exceeding the auto-ignition temperature. Water spray may be used to wet down wood dust generated by sawing, sanding, or machining to reduce the likelihood of ignition or dispersion of dust into the air.

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## Section 8. Exposure Controls/Personal Protection

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**Engineering Controls:** Due to the explosive potential of wood dust when suspended in air, precautions should be taken during sanding, sawing, or machining of wood products to prevent sparks or other ignition sources in ventilation equipment. Use of totally enclosed motors is recommended. Provide local exhaust as necessary to meet OSHA requirements for wood dust exposure.

**Respiratory Protection:** Wear NIOSH/OSHA approved respirator when the permissible exposure limits to wood dust may be exceeded.

**Eye Protection:** Recommend goggle or safety glasses as conditions indicate when sawing, sanding, or machining wood products.

**Skin Protection:** Protective equipment such as gloves and outer garments may be needed to reduce skin contact.

Following are wood dust exposure limits which are in accord with those recommended by OSHA in the 1989 revision of PEL's.

<u>Wood Species</u>	<u>Case No.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Softwoods	NONE	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL
Western Red Cedar	NONE	2.5 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA
Hardwoods Except Western Red Cedar	NONE	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup> STEL

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## Section 9. Physical and Chemical Properties

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**Appearance and Odor:** Light tan to dark tan. Color and odor are dependent upon wood species.

<b>Physical State:</b>	Solid	<b>Boiling Point:</b>	Not Applicable
<b>PH:</b>	Not Applicable	<b>Melting Point:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable	<b>Solubility in Water:</b>	Insoluble
<b>Vapor Density:</b>	Not Applicable	<b>Specific gravity:</b>	<1.0

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## Section 10. Stability and Reactivity

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**Stability:** Stable

**Conditions to Avoid:** Wood dust generated from sawing, sanding, or machining the product is extremely combustible. Keep in cool dry place away from ignition sources.

**Incompatibility (Materials to Avoid):** Oxidizing agents and drying oils.

**Hazardous Combustion Products:** Thermal-oxidative degradation, or burning, of wood can produce irritating and potentially toxic fumes and gases including carbon monoxide, aldehydes and organic acids.

**Hazardous Polymerization:** Will not occur.

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## Section 11. Toxicological Information

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**Wood Dust:** Wood dust generated from sawing, sanding, or machining this product may cause nasal dryness, irritation, coughing, and sinusitis. Wood dust is not considered a potential cancer hazard by OSHA or the National Toxicology Program (NTP). The International Agency for Research on Cancer (IARC) classifies wood dust as a carcinogen to humans (Group I). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic, and hematopoietic systems, stomach, colon, or rectum with exposure to wood dust.

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## Section 12. Disposal Considerations

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This product is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, state and local requirements for waste disposal may be different from federal regulations.

Incinerate or landfill in accordance with local, state, and federal regulations.

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## Section 13. Transport Information

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This product is not a DOT hazardous material.

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## Section 14. Regulatory Information

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

**TSCA:** This product complies with TSCA inventory requirements.

**SARA 313:** None.

**Canadian WHMIS:** These products are not considered controlled products.

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## Section 15. Other Information

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**Label Text:**

Wood Products  
Caution!

**Sawing, sanding, or machining wood products can produce wood dust which can cause a flammable or explosive hazard.**

**Wood dust may cause lung, upper respiratory tract, eye, and skin irritation. Some wood species may cause dermatitis and/or respiratory allergic effects. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.**

Avoid dust contact with ignition source.

Wood dust clean-up and disposal activities should be accomplished in a manner to minimize creation of airborne dust.

Avoid breathing dust.

Avoid dust contact with eyes and skin.

**First Aid:** If inhaled, remove to fresh air. In case of contact, flush eyes and skin with water. If irritation persists, call a physician.

For additional information, see the Freres Lumber Co., Inc. Material Safety Data Sheet for this product.

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PO Box 276  
Lyons, OR 97358

**HMIS Rating:** Health- 0; Flammability- 1; Reactivity- 0

**MSDS Revision Summary:** None.

**Important:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage, and handling of the product in compliance with applicable federal, state, and local laws and regulations. Freres Lumber Co., Inc. and its subsidiaries make no warranty of any kind, express, or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading.

This Material Data Safety Sheet is being furnished for similar wood products produced by different manufacturers. Consult labels, stamps, and markings on the product or packaging for the exact identity of the manufacturer.

Wood Products

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