



WOOD AND WOOD PRODUCTS
MATERIAL SAFETY DATA SHEET
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Effective Date: 04/01/08
Supersedes Date: 01/30/06

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: Wood Dust (Untreated)
Wood and Wood Products – (Phenolic Bonded/LFE)
Domestic Hardwood Plywood
Imported Hardwood Plywood
Lumber
Flooring
Millwork
Moulding
Softwood Plywood
Raw Particleboard
Raw MDF

PRODUCT USE: Building Materials – structural, industrial, or decorative

MANUFACTURER/DISTRIBUTOR: Lacrosse Hardwood Flooring
105 Webster Street
Westby, WI. 54667
608-634-3072

SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>%WT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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No hazardous ingredients

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

SECTION 3. HAZARDS IDENTIFICATION

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 5mg/m³) to certain wood dusts such as Western Red Cedar, can produce allergic responses in some sensitive individuals.

EYE CONTACT: Wood dust can cause 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.

SECTION 4. FIRST AID MEASURES

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.

SECTION 5. FIRE EXTINGUISHING MEASURES

FLASH POINT: Not applicable.

EXPLOSIVE LIMITS: Sawing, sanding or machining wood products can produce wood dust as a by-product. Wood dust can be an 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° Fahrenheit (204-206° Centigrade)

FIRE EXTINGUISHING 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. Carbon dioxide or sand.

HFPA RATINGS: Health: 1 Reactivity: 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4* = Chronic

SECTION 6. ACCIDENTAL RELEASE MEASURES

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.

SECTION 7. HANDLING AND STORAGE

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Due to the potential explosive nature 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 goggles 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.

Wood dust exposure limits:
Current OSHA PEL.

<u>WOOD SPECIES</u>	<u>CAS NO.</u>	<u>Federal OSHA PEL</u>	<u>ACGIH TLV</u>
Total Wood Dusts Particulates not otherwise regulated. (PNOR)	NONE	15.0 mg/m ³ TWA	not applicable
Softwoods	NONE	15.0 mg/m ³ TWA (as PNOR)	1.0 mg/m ³ TWA (Inhalable fraction)
Western Red Cedar	NONE	15.0 mg/m ³ TWA (as PNOR)	0.5 mg/m ³ TWA (Inhalable fraction)
Hardwoods except Western Red Cedar	NONE	15.0 mg/m ³ TWA (as PNOR)	1.0 mg/m ³ TWA (Inhalable fraction)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Color and odor are dependent upon wood species.

PHYSICAL STATE:	Solid.	BOILING POINT:	Not applicable.
PH:	Not applicable.	MELTING POINT:	Not applicable.
VAPOR PRESSURE:	Not applicable.	SOLUBILITY IN WATER:	Insoluble.
VAPOR DENSITY:	Not applicable.	SPECIFIC GRAVITY:	<1.0

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Wood dust generated from sawing, sanding or machining the product can be combustible. Keep in cool, dry place away from ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents and drying oils.

HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION: Will not occur.

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.

SECTION 11. TOXICOLOGICAL INFORMATION

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 as a carcinogen to humans (Group 1). 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.

SECTION 12: ECOLOGICAL INFORMATION

A: General Product Information

This product is not expected to have ecological effects on the environment.

B: Component Analysis – Ecotoxicity – Aquatic Toxicity

Aquatic values were not found for the individual components listed in Section 2

Environmental Fate:

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

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.

SECTION 14. TRANSPORT INFORMATION

This product is not a DOT hazardous material.

SECTION 15. REGULATORY INFORMATION

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.

SECTION 16. OTHER INFORMATION

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.

HMIS RATING: Health – 0; Flammability – 1; Reactivity – 0

MSDS REVISION SUMMARY: Section 1, product name changes; Section 2, additional information about hardwood lumber; change in title of label text.

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. There is 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 fitness for a particular purpose are specifically excluded. We will not be liable for 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 Safety Data 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.

Other Information

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Key/Legend:

ACGIH American Conference of Governmental Industrial Hygienists
C Ceiling Limit
CAS Chemical Abstract Services Number
CFR Code of Federal Regulations
DOT Department of Transportation
DSL Domestic Substance List
EPA Environmental Protection Agency
HEPA High Efficiency Particulate Air
HMIS Hazardous Material Identification System
IARC International Agency for Research on Cancer
NA Not Available or Not Applicable
NFPA National Fire Protection Association
NIOSH National Institute for Occupational Safety and Health
NJTSR New Jersey Trade Secret Registry
NSL Non-Domestic Substance List
NTP National Toxicology Program
OSHA Occupational Safety and Health Administration
PPE Personal Protective Equipment
STEL Short Term Exposure Limit
TLV Threshold Limit Value
TSCA Toxic Substance Control Act
TWA Time Weighted Average
WHIMS Workplace Hazardous Materials Information System