

**USE THIS LABEL FOR UNTREATED WOOD AND WOOD PRODUCTS**

**CAUTION**

**Wood Dust**

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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.

- Avoid dust contact with ignition source.
- Sweep or vacuum dust for recovery or disposal.
- Avoid prolonged or repeated breathing of wood dust in air.
- 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 information, see the Material Safety Data Sheet.

**IMPORTANT:** The information and data contained 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. NAWLA makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. NAWLA 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.

**NOTES:**

1. Preventative measures and first aid instructions (shown as bulleted items above) are not required on labels, but may be added voluntarily.
2. Labels must be legible and prominently displayed. There are no specific requirements for size, color, or any specified text.
3. This label is designed to address the requirements of the OSHA Hazard Communication Standard with respect to wood dust. You may want to consult other sources such as the American National Standards Institute for general guidance on the preparation of warnings.

**STANDARD MATERIAL SAFETY DATA SHEET (MSDS)  
FURNISHED BY THE AMERICAN FOREST & PAPER ASSOCIATION  
HAZARD WARNING FOR UNTREATED WOOD PRODUCTS**

May 1994

TRADE NAME Wood Dust

SYNONYMS None

CASE NO. None

DESCRIPTION

Particles generated by any manual or mechanical cutting or abrasion process performed on wood.

PHYSICAL DATA

Boiling Point.....	Not Applicable.
Specific Gravity.....	Variable (dependent on wood species and moisture content).
Vapor Density.....	Not Applicable.
% Volatiles By Volume.....	Not Applicable.
Melting Point.....	Not Applicable.
Vapor Pressure.....	Not Applicable.
Solubility in H <sub>2</sub> O (% by wt.).....	Insoluble.
Evaporation Rate (Butyl Acetate = 1).....	Not Applicable.
pH.....	Not Applicable.
Appearance and Odor.....	Light to dark colored granular solid. Color and odor are dependent on the wood species and time since dust was generated.

FIRE AND EXPLOSION DATA

Flash Point.....	Not Applicable.
Auto-Ignition Temperature.....	Variable (typically 400-500° F).
Explosive Limits in Air.....	40 grams/m <sup>3</sup> .
Extinguishing Media.....	Water, CO <sub>2</sub> , Sand.
Special Fire Fighting Procedures.....	Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is extinguished.
Unusual Fire and Explosion Hazard.....	Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source.

HEALTH EFFECTS INFORMATION

Exposure Limit.....	ACGIH TLV®: TWA – 5.0 mg/m <sup>3</sup> ; STEL (15 min.) – 10 mg/m <sup>3</sup> (softwood); TWA – 1.0 mg/m <sup>3</sup> (certain hardwoods such as beech and oak).
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<sup>1</sup> See footnote below concerning OSHA PELs for wood dust

OSHA PEL:  
TWA – 5.0 mg/m<sup>3</sup>; STEL (15 min.) – 10 mg/m<sup>3</sup> (all soft and hard woods, except Western Red Cedar; Western Red Cedar: TWA – 2.5 mg/m<sup>3</sup>).

Skin and Eye Contact .....	Wood dust can cause eye irritation. Various species of wood dust can elicit allergic contact dermatitis in sensitized individuals.
Ingestion .....	Not applicable.
Skin Absorption .....	Not known to occur.
Inhalation .....	May cause nasal dryness, irritation and obstruction. Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been reported.
Chronic Effect.....	Wood dust, depending on species, may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Wood dust is not listed as a carcinogen by LARC, NTP, ACGIH or OSHA.

REACTIVITY DATA

Conditions Contributing to Instability.....	Stable under normal conditions.
Incompatibility.....	Avoid contact with oxidizing agents and drying oils. Avoid open flame. Product may ignite at temperatures in excess of 400° F.
Hazardous Decomposition Products.....	Thermal oxidative degradation of wood produces irritating and toxic fumes and gases, including CO, aldehydes and organic acids.
Conditions Contributing to Polymerization .....	Not Applicable.

PRECAUTIONS AND SAFE HANDLING

Avoid eye contact.

Avoid repeated or prolonged contact with skin. Careful bathing and clean clothes are indicated after exposure.

Avoid prolonged or repeated breathing of wood dust in the air.

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<sup>1</sup> Although OSHA’s Air Contaminants Rule, including OSHA’s wood dust PELs, was struck down in ALF-CIO v. OSHA, 965 F. 2d 962 (11<sup>th</sup> Cir. 1992), a number of states have incorporated those provisions in their state plans. Additionally, OSHA has announced that it may cite companies under the OSH Act general duty clause under appropriate circumstances for non-compliance with these levels.

### PRECAUTIONS AND SAFE HANDLING (continued)

Avoid contact with oxidizing agents and drying oils.

Avoid open flame.

### GENERALLY APPLICABLE CONTROL MEASURES

Ventilation: Provide adequate general and local exhaust ventilation to maintain healthful working conditions.

Wear goggles or safety glasses. Other protective equipment such as gloves and approved dust respirators may be needed depending upon dust conditions.

### EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water to remove dust particles. If irritation persists, get medical attention.

Skin: If a rash or persistent irritation or dermatitis occur, get medical advice where applicable before returning to work where wood dust is present.

Inhalation: Remove to fresh air. If persistent irritation, severe coughing, or breathing difficulties occur, get medical advise before returning to work where wood dust is present.

Ingestion: Not applicable.

### SPILL/LEAK CLEAN UP PROCEDURES

Sweep or vacuum spills for recovery or disposal; avoid creating dust conditions. Provide good ventilation where dust conditions may occur. Place recovered wood dust in a container for proper disposal.

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