

MATERIAL SAFETY DATA SHEET

WOOD DUST

11/03

Bright Wood Corporation
P.O. Drawer 828
Madras, OR 97741
(503) 475-2234

TRADE NAME: Wood Dust
SYNONYMS: None
CAS. 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 of Volume Not Applicable
 Melting Point Not Applicable
 Vapor Pressure Not Applicable
 Solubility in H₂O (% by wt.) Insoluble
 Evaporation Rate
 (Butyl Acetate=1) Not Applicable
 pH Not Applicable
 Appearance & Odor
 Light to dark colored granular solid
 Color and odor are dependent on the wood species
 and time since dust was generated.

FIRE & EXPLOSION DATA

Flash Point Not Applicable
 Autoignition Temperature Variable
 Typically 400-500° F.
 Explosive Limits in Air 40 grams M³ (LEL)
 Extinguishing Media Water, CO₂, Sand
 Special Fire Fighting Procedures
 Wet down with water
 Wet down wood dust to reduce the likelihood of igni-
 tion or dispersion of dust into the air. Remove burned
 or wet dust to open area after fire is extinguished.
 Unusual Fire &
 Explosion Hazard
 Strong to severe explosion hazard
 If wood dust "cloud" contacts an ignition source.

HEALTH EFFECTS DATA

Exposure Limit
 ACGIH TLV⁽⁸⁾:
 TWA-5.0 mg/m³;
 STEL (15 min.)-10 mg/m³ Softwood.
 TWA-1.0 mg/m³
 Certain hardwoods such as beech and oak.
 OSHA PEL: (For OSHA PELs, see footnote 1 below)
 TWA-5.0 mg/m³;
 STEL (15 min.)-10 mg/m³
 All softwoods, hardwoods, except Western
 Red Cedar.
 Western Red Cedar:
 TWA-2.5 mg/m³
 Skin & Eye Contact
 Eye Irritation & Dermatitis
 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 & obstruction, coughing,
 wheezing, & sneezing. Sinusitis & prolonged colds
 have also been reported.
 Chronic Effects
 May cause
 Wood dust, depending on species, may cause
 dermatitis on prolonged, repetitive contact; may
 cause respiratory sensitization and/or irritation. Pro-
 longed 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 IARC,
 NTP, ACGIH or OSHA.

¹ Although OSHA's Air Contaminants Rule, including OSHA's wood dust PELs, was struck down in *AF-CIO v. OSHA*, 965 F. 2d 962 (11th 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.

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CAUTION

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SAWING, SANDING OR MACHINING WOOD PRODUCTS CAN PRODUCE WOOD DUST WHICH CAN CAUSE A FLAMABLE 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 additional 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. BWC makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. BWC 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 instruction (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.