

MATERIAL SAFETY DATA SHEET

WOOD DUST

Distributed By -
FREEMAN Mfg. & Supply Co.
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 © AVON, OHIO 44011-1011 (800) 321-8511



TRADE NAME: Wood Dust (PINE PATTERN LUMBER)
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 ignition or dispersion of dust into the air.
 Remove burned or wet dust to open area after fire is extinguished.

Unusual Fire & Explosion HazardStrong to severe explosion hazard (if wood dust "cloud" contacts an ignition source.)

HEALTH EFFECTS DATA

Exposure Limit.....ACGIH TLV^(R):
 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 —No current PEL
 Skin & Eye Contact.....Eye Irritation & Allergic Contact 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. 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 IARC, NTP, ACGIH or OSHA.

MATERIAL SAFETY DATA SHEET CONTINUED

REACTIVE DATA

Conditions Contributing to Instability Stable under normal conditions

Incompatibility Avoid contact with: oxidizing agents, drying oils & flame. Product may ignite at temperatures in excess of 400° F.

Hazardous Decomposition Products Thermal-oxidative degradation of wood produces: irritating & toxic fumes & gases, including CO, aldehydes and inorganic acids

Conditions contributing to Polymerization Not Applicable

PRECAUTIONS & SAFE HANDLING

Eye Contact Avoid

Skin Contact Avoid: repeated or prolonged contact with skin. Careful bathing & clean clothes are indicated after exposure

Inhalation Avoid: repeated or prolonged breathing of wood dust in air.

Oxidizing Agents & Drying Oils Avoid contact

Open Flame Avoid

GENERALLY APPLICABLE CONTROL MEASURES

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

Safety Equipment Provide & Wear: goggles or safety glasses. Other protective equipment such as gloves & approved dust respirators may be needed depending upon dust conditions

EMERGENCY & FIRST AID PROCEDURES

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

Skin Get medical advice if a rash or persistent irritation or dermatitis occur, and before returning to work where wood dust is present.

Inhalation Remove to fresh air & get medical advice if persistent irritation, severe coughing, breathing difficulties occur, before returning to work where wood dust is present.

Ingestion Not Applicable

SPILL/LEAK CLEAN-UP PROCEDURES

Recovery or disposal Clean-up: 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.

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. There is no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein.

WOOD DUST CAUTION! FLAMMABLE

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 and 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. In case of contact, flush eyes with water and skin with water.**

For additional information, refer to Material Safety Data Sheet



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