

# Redwood

TECHNICAL DATA SHEET

## Material Safety Data Sheet (MSDS) —Wood Dust

**TRADE NAME:** Wood Dust (Redwood)  
**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 and moisture content)  
 Vapor Density Not Applicable  
 % Volatiles of 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 & Odor Light to dark colored granular solid  
 Odorless

### FIRE and EXPLOSION DATA

Flash Point Not Applicable  
 Autoignition Temperature Variable (typically 400-500° F)  
 Explosive Limits in Air 40 grams M<sup>3</sup>(LEL)  
 Extinguishing Media Water, CO<sub>2</sub>, 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 Hazard Strong to severe explosion hazard (if wood dust "cloud" contacts an ignition source).

### HEALTH EFFECTS DATA

Exposure Limit ACGIH TLV (R):  
 TWA - 5.0 mg/m<sup>3</sup>  
 STEL(15 min.) - 10 mg/m<sup>3</sup>  
 OSHA PEL - 5 mg/m<sup>3</sup>  
 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 and obstruction.  
 Coughing, wheezing and sneezing; sinusitis and prolonged colds have also been reported.  
 Chronic Effects 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, NIP, ACGIH or OSHA.

<b>REACTIVE DATA</b>	Conditions Contributing to Instability Incompatibility	Stable under normal conditions Avoid Contact with: oxidizing agents, drying oils and 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 inorganic acids.
	Conditions contributing to Polymerization	Not Applicable
<b>PRECAUTIONS and SAFE HANDLING</b>	Eye Contact	Avoid
	Skin Contact	Avoid repeated or prolonged contact with skin. Careful bathing and clean clothes are indicated after exposure.
	Inhalation	Avoid repeated or prolonged breathing of wood dust in air.
	Oxidizing Agents and Drying Oils Open Flame	Avoid contact Avoid
<b>GENERALLY APPLICABLE CONTROL MEASURES</b>	Ventilation	Provide adequate general & local exhaust venti- lation to maintain healthful working conditions
	Safety Equipment	Provide and wear goggles or safety glasses. Other protective equipment such as gloves and approved dust respirators may be needed depending upon dust conditions.
<b>EMERGENCY and FIRST AID PROCEDURES</b>	Eyes	Flush with water to remove dust particles. If irritation persists, get medical attention.
	Skin	Get medical advice if a rash or persistent irrita- tion or dermatitis occur, and before returning to work where wood dust is present.
	Inhalation	Remove to fresh air and get medical advice if per- sistent irritation, severe coughing, breathing difficulties occur, before returning to work where wood dust is present.
	Ingestion	Not Applicable
<b>SPILL/LEAK CLEAN-UP PROCEDURES</b>	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.
<b>IMPORTANT</b>	<i>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, expressed or implied, concerning the accuracy or completeness of the information and data herein.</i>	



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