

# MATERIAL SAFETY DATA SHEET

## WOODWORKERS SOURCE

Phoenix, Arizona

18115 N. Black Canyon Hwy Phoenix, AZ 85023  
602-504-1931

Tempe, Arizona

645 W. Elliot Rd. Tempe, AZ 85284  
480-355-5090

Tucson, Arizona

3441 S. Palo Verde Tucson, AZ 85713  
520-745-8301

**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 H<sub>2</sub>O (% by wt) .... Insoluble  
Evaporation Rate ..... Not Applicable  
(Butyl Acetate-1)  
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 ..... No Applicable  
Autoignition Temperature .... Variable  
(Typically 400-500 degree fahrenheit)  
Explosive Limits in Air ..... 40 grams M3 (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®:  
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  
OSHA PEL: (For OSHA PELs, see footnote 1 below)  
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 & 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 and  
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.

(1) Although OSHA's Air Contaminants Rule, including OSHA's wood dust  
PELs, was struck down in AFL-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 noncompliance  
with these levels.

## REACTIVE DATA

- Conditions Contributing to Instability  
Stable under normal conditions
- Incompatibility . . . . . Avoid contact with:  
Oxidizing agents, drying oils and flame. Products  
may ignite at temperatures in excess of 400 degree 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

## PRECAUTIONS & SAFE HANDLING

- 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 & Drying Oils . . . . . Avoid Contact
- Open Flame . . . . . Avoid

## GENERALLY APPLICABLE CONTROL MEASURES

- Ventilation . . . . . Provide:  
Adequate general and local exhaust ventilation 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.

## EMERGENCY & FIRST AID PROCEDURES

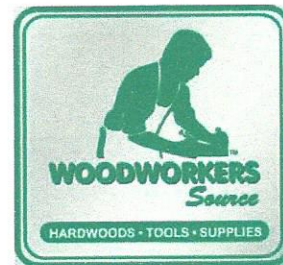
- Eyes . . . . . Flush with water  
To remove dust particles. If irritation persists, get  
medical attention.
- Skin . . . . . Get medical attention  
If a rash or persistent irritation or dermatitis occur,  
and before returning to work where wood dust is  
present.
- Inhalation . . . . . Remove to fresh air &  
Get medical advice if persistent irritation, sever  
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.

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Monday-Friday  
8:00am - 5:00pm  
Saturday  
8:00am - 2:00pm

**800-423-2450**

[www.woodworkerssource.com](http://www.woodworkerssource.com)  
[wood@woodworkerssource.com](mailto:wood@woodworkerssource.com)