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## MSDS

# Tolleson Lumber Company

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DOMESTIC & IMPORTED SOFTWOOD & HARDWOOD LUMBER (UNTREATED)

### MATERIAL SAFETY DATA SHEET

TRADE NAME: WOOD DUST FROM UNTREATED LUMBER

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

#### PHYSICAL DATA:

Boiling Point – N.A. Specific Gravity – Variable (dependent on species & Moisture content)

Vapor Density – N.A. Solubility in H<sub>2</sub>O (% by Wt.) Insoluble

% Volatiles by Vol. – N.A. Evaporation Rate (Butyl Acetate – 1) N.A.

pH – N.A. Appearance & Odor – Light to dark colored granular solid. Color & odor are dependent on species and time since dust was generated.

#### FIRE AND EXPLOSION DATA:

Flash Point – N.A.

Auto Ignition Temperature – (400-500 degrees Fahrenheit)

Explosive Limits in Air – 40 grams/m3 (LEL)

Extinguishing Media – Water. CO2, Sand

Special Fire Fighting Procedures: Incipient fire responders should wear eye protection. 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.

HAZARDOUS COMPONENTS: CAS # EXPOSURE LIMIT (OSHA\*) EXPOSURE LIMIT (ACGIH)

Softwood & Hardwood Wood Dust N.A. 5 mg/M3 8-hr. TWA 5 mg/M3 8-hr TWH

(Except as follows) 10 mg/M3 15 min. STEL 10 mb/M3 15 min. STEL

Western Red Cedar 2.4 mb/M3 8-hr. TWA 5 mg/M3 8-hr. TWA

10 mg/M3 15 min. STEL 10 mb/M3 15 min. STEL

Certain Hardwoods,

Such as Beech or Oak 5 mg/M3 8-hr. TWA 5 mg/M3 8-hr TWH

10 mg/M3 15 min. STEL 10 mb/M3 15 min. STEL

- Although OSHA's Air Contaminants Rule, including OSHA's Wood Dust PELs, was struck down in AFL-CIO VS OSHA, 965 f. 2<sup>ND</sup> 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.

HEALTH EFFECTS DATA:

Inhalation of wood dust may cause nasal dryness, irritation and obstruction. Coughing and sneezing, sinusitis and prolonged colds have also been reported. Wood dust can cause eye irritation and/or possible respiratory reactions. Depending upon species, wood dust may cause dermatitis. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. The international Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans (Group I).

**REACTIVITY DATA:**

Conditions to Instability:

Stable under normal conditions.

Incompatibility:

Avoid Contact with oxidizing agents & drying oils. Avoid open flame as product may ignite at temperatures in excess of 400 degrees Fahrenheit.

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: N.A.

PRECAUTIONS SAFE HANDLING AND CONTROL MEASURES:

Avoid eye contact, prolonged contact with skin, and prolonged breathing of wood dust in the air.

Avoid contact with oxidizing agents and drying oils.

Avoid open flame.

Provide adequate general and local exhaust ventilation.

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

Avoid creating dust conditions, sweep or vacuum wood dust spills. Dispose in accordance with EPA, RCRA regulations.

#### EMERGENCY AND FIRST AID PRCEURES:

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 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 advice before returning to work where wood dust is present.

Ingestion: Not applicable.

#### IMPORTANT:

The information contained in this fact sheet has been compiled from information provided by product manufacturers.

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