

# C.B. *Drumming* & SONS CO.

Distributed By -

**FREEMAN Mfg. & Supply Co.**

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MANUFACTURERS

BIRCH DOWELS • DOWEL PRODUCTS

SPIRAL GROOVED OR FLUTED DOWEL PINS

WOOD TURNINGS

P.O. Box 346  
Norway, Maine 04

## MATERIAL SAFETY DATA SHEET WOOD DUST

FREEMAN TRADE NAME: FREEMAN WOOD DOWELS

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 Water.....	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
Auto-ignition Temperature...	Variable
(Typically 400-500° F)	
Explosive Limits in Air.....	40g/M <sup>3</sup> (LEL)
Extinguishing Media.....	Water, CO <sub>2</sub> , Sand
Special Fire Fighting Procedure:	
Wet down wood dust with water to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire extinguished.	
Unusual Fire &	
Explosion Hazard.....	Strong to severe
explosion hazard (if wood dust "cloud" contacts an ignition source).	

### EMERGENCY & FIRST AID PROCEDURES

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

**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

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

### HEALTH EFFECTS DATA

**Exposure Limit:** ACGIH TLV(R): TWA-5.0 mg<sup>3</sup>/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: 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).

**Skin & Eye Contact:** 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:** 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.

*"Those Smooth Ones"*

**MATERIAL SAFETY DATA SHEET**  
**WOOD DUST, Continued**

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**REACTIVITY DATA**

**Conditions Contributing to Instability**..... Stable under normal conditions.

**Incompatibility:** Avoid contact with oxidizing agents, drying oils & open 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

**GENERAL APPLICABLE**  
**CONTROL MEASURES**

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

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

**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.

**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.

**Avoid:** contact with oxidizing agents & drying oils; open flame.

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**IMPORTANT**

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*"Those Smooth Ones"*

# **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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