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Facilities Management  
HEALTH AND SAFETY

C.B. Cummings  
& SONS CO.

MANUFACTURERS  
BIRCH DOWELS • DOWEL PRODUCTS  
SPIRAL GROOVED OR FLUTED DOWEL PINS  
WOOD TURNINGS

## MATERIAL SAFETY DATA SHEET WOOD DUST

0300924  
KI 01087B  
0300928  
0300926  
0300921

P.O. Box 346  
Norway, Maine 04268

0300922  
0300927  
0300925

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/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"*

*Vendor 06/18/*