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**C.B. Cummings**  
**& SONS CO.**

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

**MATERIAL SAFETY DATA SHEET**  
**WOOD DUST**

207/743-6326  
 FAX 207/743-9702

0300924  
 KI 010878  
 0300928  
 0300926  
 0300921

P.O. Box 346 KI 0123  
 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"

Crk/Cty Science

**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;*