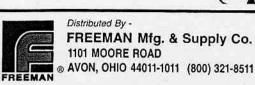
30-1





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

SYNONYMS: None CAS. NO .: None TRADE NAME: Wood Dust

Particles generated by any manual or mechanical cutting or abrasion process DESCRIPTION:

performed on wood.

PHYSICAL DATA

Delline Balut	Not Applicable
Boiling Point	
Specific Gravity	Variable
(Dependent on wood speci content)	es and moisture
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. Col	or and odor are
dependent on the wood spe	

FIRE & EXPLOSION DATA

since dust was generated.

Flash Point	Not Applicable
Auto-ignition Temperature	Variable
	(Typically 400-500° F)
Explosive Limits in Air	40g/MP (LEL)
Extinguishing Media	Water, CO2, Sand
Special Fire Fighting Procedu	re:
Wet down wood dust w	rith water to reduce the
likelihood of ignition or	dispersion of dust into
the air. Remove burner	d or wet dust to open
area after fire extinguis	hed.

Unusual Fire &	
Explosion Hazard	Strong to severe
explosion hazard (if w∞d	dust "cloud"
contacts an ignition source	s).

EMERGENCY & FIRST AID PROCEDURES

E	yes: F	lush with water to ren	nove dust particles.	If
	ir	rritation persists, get n	nedical attention.	
1		n: Remove to fresh ai		ice
	if	persistent irritation, s	severe coughing,	
	b	reathing difficulties or	ccur, before returning	ıg
		work where wood di		
T	naaction		Not Applie	ahl.

Ingestion..... 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/ STEL (15 Min.) - 10 mg/m3 (softwood), TWA - 1.0 mg/m3 (certain hardwoods such as beech and oak) - OSHA PEL: TWA-5.0 mg/m3; STEL (15 min)-10 mg/m3 (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

Not Applicable Ingestion..... Not known to occur Skin Absorption..... 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 OSHAL

"Those Smooth Ones

MATERIAL SAFETY DATA SHEET WOOD DUST, Continued

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: Thermaloxidative degradation of wood produces irritating & toxic furnes & gases including CO, aldehydes and inorganic acids.

Conditions Contributing
To Polymerization.....

Not Applicable

GENERAL APPLICABLE CONTROL MEASURES

exhaust ventilation to maintain healthful working conditions.

Safety Equipment: Provide goggles or safety glasses.

Ventilation: Provide adequate general & local

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 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.

IMPORTANT

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. There is no warranty of any kind, express or implied, concerning the accuracy of completeness of the information and data contained herein. C.B. Cummings & Sons Co. will not be liable for claims relating to any party's

use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate or otherwise misleading.

"Those Smooth Ones"

WOODDUST 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



Distributed By:

FREEMAN Mfg. & Supply Co. 1101 Moore Road, Avon, OH 44011 ® 800-321-8511