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

0300924
KI 01687B
0300928
0300926
0300921
P.O. Box 346 KI 0123
Norway, Maine 04268
0300922
0300927
0300925

MATERIAL SAFETY DATA SHEET WOOD DUST

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/M³ (LEL)
Extinguishing Media..... Water, CO₂, 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 mg³
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

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

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.

IMPORTANT

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"Those Smooth Ones"

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