

MATERIAL SAFETY DATA SHEET

WOOD DUST

G-M WOOD PRODUCTS
531 CLAY ST.
PO BOX 266
NEWAYGO, MI 49337
(231) 652-2210

TRADE NAME: Wood Dust
SYNONYMS: None
CAS. NO.: None
DESCRIPTION: Particles generated by any manual or mechanical cutting or abrasion process preformed 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 H₂O (% by wt.)..... Insoluable
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
Autoignition Temperature.....
Variable
Typically 400-500° F.
Explosive Limits in Air..... 40 grams M³ (LEL)
Extinguishing Media..... Water, CO₂, Sand
Special Fire Fighting Procedures.....
Wet down with water
Wet down wood dust to reduce the likelihood of ignition or
dispersion of dust into the air. Remove burned or wet dust to
open area after fire is extinguished.
Unusual Fire &
Explosion Hazard.....
Strong to severe explosion hazard
If wood dust "cloud" contacts an ignition source.

HEALTH EFFECTS DATA

Exposure Limit.....
ACGIH TLV (R)
TWA- 1.0 mg/m³; non-allergenic species
TWA- 0.5 mg/m³
Western Red Cedar
OSHA PEL: (For OSHA PELs, see footnote 1 below)
TWA- 5.0 mg/m³
STEL (15 min.) – 10 mg/m³
All softwoods, hardwoods, except Western Red Cedar.
Western Red Cedar:
TWA- 2.5 mg/m

Skin & Eye Contact.....
Eye Irritation & Dermatitis
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.....
May Cause
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.

¹Although OSHA's Air Contaminants Rule, including OSHA's wood dust PELs, was struck down in AFL-CIO v. OSHA, 965 F. 2d 962 (11th Cir. 1992), a number of states have incorporated those provisions in their state plans. Additionally, OSHA has announced that it may cite companies under the OSH Act general duty clause under appropriate circumstances for non-compliance with these levels.

MATERIAL SAFETY DATA SHEET CONTINUED

REACTIVE 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.....Non Applicable

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.

Oxidizing Agents

& Drying Oils.....Avoid Contact

Open Flame.....Avoid

GENERALLY APPLICABLE CONTROL MEASURES

Ventilation.....

Provide

Adequate general & local exhaust ventilation to maintain healthful working conditions.

Safety Equipment.....

Provide & Wear

Goggles or safety glasses. Other protective equipment such as gloves & approved dust respirators may be needed depending upon dust conditions.

EMERGENCY & FIRST AID PROCEDURES

Eyes.....

Flush with water

To remove dust particles. If irritation persists, get medical attention.

Skin.....

Get medical advice

If a rash or persistent irritation or dermatitis occur, and before returning to work where wood dust is present.

Inhalation.....

Remove to fresh air

If persistent irritation, severe coughing or breathing difficulties occur, get medical advice before returning to work where wood dust is present.

Ingestion.....Not Applicable

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 container for proper disposal.

IMPORTANT:

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