

33304-XXXX

**PRODUCT INFORMATION
MATERIAL SAFETY DATA SHEET
HARDWOOD**

1. PRODUCT IDENTIFICATION

Manufacturer Name & Address:

MIDWEST PRODUCTS COMPANY
400 SOUTH INDIANA STREET
HOBART, INDIANA 46342

PHONE: 219-942-1134

PRODUCT NAME: WOOD DUST
SYNONYM(S): WOOD FLOUR, SAWDUST, SANDER DUST

DATE REVISED: 5/25/88

2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CHEMICAL OR COMMON NAME/CAS#	PERCENT	EXPOSURE LIMITY
WOOD DUST	100	OSHA PEL-TWA None ACGIHTLV – TWA 1mg/m3 Occupational Safety & Health Administration
ACGIH		American Conference Of Governmental Industrial Hygienists
PEL		Permissible Exposure Limit
TWA		Time-Weighted Average
TLV		Threshold Limit Value
STEL		Short-Term Exposure Limit

APPEARANCE AND ODOR

Finely divided wood particles generated from sawing, sanding, routing, or chipping dimensional lumber, particles have slight aromatic odor depending on species.

3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point (F or C)

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3. PHYSICAL/CHEMICAL CHARACTERISTICS CONTINUED

VAPOR PRESSURE (mm Hg): NA
 VAPOR DENSITY (AIR = 1): NA
 SPECIFIC GRAVITY (H₂O = 1): 0.40 – 0.80
 MELTING POINT (F or C): NA
 EVAPORATION RATE
 (BUTYL ACETATE = 1): NA
 SOLUBILITY IN WATER < 0.1%
 % VOLATILE BY VOLUME @ 70F: 0

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NA
 FLAMMABLE LIMITS:
 LEL: NA
 UEL: NA
 EXTINGUISHING MEDIA: Water, carbon dioxide, sand.
 AUTOIGNITION TEMPERATURE (F or C): 400-500 F
 SPECIAL FIREFIGHTING PROCEDURES: Use water to wet down wood dust to deduce dusty conditions. Removed burned, charred, or wet dust to open secure area after fire is extinguished.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Depending on moisture content and, more importantly, particle diameter, wood dust may explode. An airborne concentration of 40 grams (40,000 mg) of dust per cubic meter of air is often used as the LEL for wood dusts.

5 REACTIVITY DATA

STABILITY:
 () Unstable (x) Stable
 Conditions to avoid NA

Incompatibility (Materials to Avoid)

Avoid contact with oxidizing agents. Avoid open flame. Product may ignite at temperatures in excess of 400F.

Hazardous Decomposition or By-products:

Thermal decomposition products include carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.

5 REACTIVITY DATA CONTINUED

Hazardous Polymerization:

() May Occur (x) Will Not Occur
 Conditions to avoid: NA

6 PRECAUTIONS FOR SAFE HANDLING AND USE**Steps to be taking in case material is released or spilled:**

Not applicable for product in purchased form
 Wood dust may be vacuumed or shoveled for recovery or disposal.
 Avoid dusty conditions and provide good ventilation.
 Use NIOSH/MSHA approved respirator and goggles where ventilation is not possible.

Waste Disposal Method:

If disposed or discarded in its purchased form, incineration is preferable.
 Dry land disposal is acceptable in most states. It is, however, it is the user's responsibility to determine at the time of disposal whether your product meets RCRA criteria for hazardous waste. Follow applicable federal, state, or local regulations.

Precautions to be taken in handling and storage:

No special handling precautions are required.
 Keep in cool, dry place away from open flame.

Other precautions:

A NIOSH/MSHA-approved respirator and goggles should be worn when the allowable exposure limits may be exceeded.

7 HEALTH HAZARD DATA**Primary Routes(s) of Exposure:**

() Ingestion
 () Skin Dust
 (x) Inhalation: Dust

Acute Health Hazards: Signs and symptoms of exposure/emergency and first aid procedures:

INGESTION: Not applicable under normal use.

EYE CONTACT:

Wood dust may cause mechanical irritation.
 Treat dust in eyes as foreign object. Flush with water to remove dust particle. Get medical attention if irritation persists.

7 HEALTH HAZARD DATA – CONTINUED

SKIN CONTACT:

Wood dust can elicit allergic contact dermatitis in sensitize individuals, as well as mechanical irritation resulting in erythema and hives. Get medical help if rash, irritation or dermatitis persists.

SKIN ABSORPTION:

Not known to occur under normal use.

INHALATION:

Wood dust may cause unpleasant deposit/obstruction in nasal passages, resulting in dryness of nose, dry cough, and headaches. Remove to fresh air. Get medical help if persistent irritation, severed coughing, or breathing difficulty occurs.

Medical Conditions Generally Aggravated by Exposure:

Wood dust may aggravate pre-existing respiratory conditions or allergies.

Chronic Health Hazards:

Wood dust(s), depending on the species, may cause dermatitis on prolonged, repetitive contact; respiratory sensitization after prolonged exposure to elevated dust levels. Wood dust has been alleged to cause nasal/paranasal sinus cancer (certain hardwoods, oak and beech).

Carcinogen Listing:

Wood dust is not listed as a carcinogen by IARC, NTP, NCGIH or OSHA.

8 CONTROL MEASURES

Personal Protective Equipment:

RESPIRATORY PROTECTION:

Not applicable for product in purchased form. A NIOSH/MSHA-approved respirator and goggles are recommended when the allowable exposure exposure limits may be exceeded.

PROTECTIVE GLOVES:

Not required. Cloth, canvas, or leather gloves are recommended.

EYE PROTECTION:

Not applicable for product in purchased form. Goggles or safety glasses are recommended.

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8 CONTROL MEASURES CONTINUED

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENIC PRACTICES:

Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of this combustible material. Minimize blowdown or other practices, which generate high airborne dust concentrations.

VENTILATION:

LOCAL EXHAUST:

Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL):

Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

SPECIAL:

Self-contained breathing apparatus (SCBA) recommended when fighting fire.

OTHER: NA

9 USER'S RESPONSIBILITY

The information contained in the Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the users' responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

10 ADDITIONAL INFORMATION

In summer, 8-quinolinol copper is used as fungicide concentrate control. This product is not non-carcinogen and is only .036% of compound used, which is below TLV level.