

****WASHINGTON MATERIAL SAFETY DATA SHEET****

WOOD DUST

SECTION 1. IDENTIFICATION

MANUFACTURER'S NAME:

ADDRESS:

TELEPHONE NUMBER:

	Distributed By -
	FREEMAN Mfg. & Supply Co.
	1101 MOORE ROAD
	AVON, OHIO 44011-1011 (800) 321-8511

CHEMICAL TRADE NAME: JELUTONG PATTERN LUMBER

COMMON NAME: sawdust, wood floor, powdered wood

CHEMICAL FAMILY: organic (carbohydrate & lignin)

SECTION 2. HAZARDOUS INGREDIENTS

WOOD DUST OR WOOD PARTICLES

APPLICABLE EXPOSURE LIMITS

W.I.S.H.A.

PEL-W.I.S.H.A.

Non-allergenic Wood dust

5 mg/m³

Allergenic Wood dust, (i.e. Cedar
Teak & Mahogany)

2.5 mg/m³

O.S.H.A.

PEL-O.S.H.A.

Western Red Cedar

2.5 mg/m³

All other wooddust

5 mg/m³ - STEL 10 mg/m³

**American Conference of Govern-
mental Industrial Hygienists**

TLV-Biological Exposure Index

Hardwoods (i.e. Beech & Oak)

1 mg/m³

Softwoods

5 mg/m³

STEL 10 mg/m³

SECTION 3. HEALTH HAZARD DATA

ACUTE HEALTH EFFECTS: Nasal congestion, sore throat, irritation of the upper respiratory tract, eye, skin and urinary tract
Acute health effects vary with species.

CHRONIC HEALTH EFFECTS: Contact dermatitis, allergic reactions (dermatitis, asthma, bronchitis), exposure has been related to cancer in furniture workers.

ROUTES OF ENTRY: Inhalation, ingestion or skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma, Bronchitis, Colds, Dermatitis.

EMERGENCY AND FIRST AID PROCEDURES: If air concentration exceeds 20% of LEL, leave area and turn off possible ignition sources. Provide dilution ventilation to reduce airborne levels.

First Aid: Eye Contact: Flush with water to remove dust particles from the eye. If irritation persists, get medical attention.

Skin Contact: If a rash, or persistent irritation or dermatitis occur, get medical advice before returning to work where wood dust is present.

Inhalation: Remove to fresh air. If persistent irritation, severe coughing, breathing difficulties, or rash occur, get medical advice before returning to work with wood dust.

SECTION 4. CHEMICAL DATA

BOILING POINT: N/A SPECIFIC GRAVITY (H₂O=1): < 1

VAPOR PRESSURE(mm Hg.): N/A % VOLATILE BY VOLUME: N/A

VAPOR DENSITY(AIR=1): N/A EVAPORATION RATE: N/A

SOLUBILITY(Specify Solvents): Insoluble in water

APPEARANCE AND ODOR: Light yellow to buff color granular or finely powdered solid. Odor is dependent on the wood source and the aging.

SECTION 5. PHYSICAL HAZARD DATA

FLASH POINT: N/A FLAMMABLE LIMITS: Variable by species

EXTINGUISHING MEDIA: Water and ABC classified extinguisher

SPECIAL FIRE FIGHTING PROCEDURES: Explosion hazards. Try not to generate dust cloud. High dust concentrations in the plant or in ventilation ducts and collecting equipment can be explosive if an ignition source is present.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust explosions

INCOMPATIBILITY (Materials to avoid): Refer to "Fire Protection Guide on Hazardous Materials". oxidizing agents, nitrates.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, carbon particulates (smoke), creosote, phenolic resins dependent on species and product.

SECTION 6. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum up spills for recovery or disposal avoiding dusting conditions. Provide good ventilation. Place recovered wood dust in a covered metal container.

WASTE DISPOSAL METHOD: Deposit in landfill or incinerate.

SECTION 7. EXPOSURE CONTROL INFORMATION

RESPIRATORY PROTECTION (Specify type): Varies by particulate size - Dust masks or approved dust respirator.

VENTILATION: LOCAL EXHAUST: 2000-4000 Ft/s
MECHANICAL(General): cfm variable

PROTECTIVE GLOVES: Varies by individual

EYE PROTECTION: specify - chemical goggles

OTHER PROTECTIVE EQUIPMENT: When wood dust is used in conjunction with other chemical compounds mixtures, phenol resins and glues on treated woods or non-pure products, an employer should use the M.S.D.S. for these substances to determine correct protective equipment or clothing.

OTHER ENGINEERING CONTROLS: Wetting controls where applicable.

WORK PRACTICES: Wetting, vacuum, reduce dust

HYGIENIC PRACTICES: Eating and smoking restrictions, personal cleanliness, clean hands and clothing.

SECTION 8. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Some storage incompatibilities with oxidizing agents, nitrates

MAINTENANCE PERSONNEL: Dust from machinery

OTHER PRECAUTIONS: Not applicable.

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. There is no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein.

PERMISSIBLE EXPOSURE LIMITS (PEL)

Substance	ppm (see note a)	mg/M ³ (see note b)
Tin, as Sn		
Metal	—	2
Oxide and inorganic compounds, except SnH ₄	—	2
Organic compounds—skin	—	0.1
Titanium dioxide	—	10
C Toluene-2,4-diisocyanate (TDI)	0.005	0.04
o-Toluidine—skin	2	9
p-Toluidine—skin	2	9
Toxaphene, see Chlorinated camphene	—	—
Tributyl phosphate	0.2	2.5
Trichloroacetic acid	1	7
C 1,2,4-Trichlorobenzene	5	40
1,1,1-Trichloroethane, see Methyl chloroform	—	—
1,1,2-Trichloroethane—skin	10	45
C Trichlorofluoromethane	1,000	5,600
Trichloromethane, see Chloroform	—	—
Trichloronaphthalene—skin	—	5
1,2,3-Trichloropropane—skin	10	60
1,1,2-Trichloro-1,2,2-trifluoroethane	1,000	7,600
Tricyclohexyltin hydroxide, see Cyhexatin	—	—
Triethylamine	10	40
Trifluorobromomethane	1,000	6,100
Trimellitic anhydride	0.005	0.04
Trimethylamine	10	24
Trimethyl benzene	25	125
Trimethyl phosphite	2	10
2,4,6-Trinitrophenol, see Picric acid	—	—
2,4,6-Trinitrophenyl-methylnitramine, see Tetryl	—	—
Trinitrotoluene—skin	—	0.5
Triorthocresyl phosphate—skin	—	0.1
Triphenyl/amine	—	5
Triphenyl phosphate	—	3
Tungsten & Compounds, as W	—	—
Soluble	—	1
Insoluble	—	5
Turpentine	100	560
Uranium (natural) sol. & insol. compounds as U	—	0.2
Valeraldehyde	50	175
Vanadium (V ₂ O ₅), as V	—	0.05
Vegetable oil mist	—	10
Vinyl acetate	10	30
Vinyl bromide	5	20
Vinyl chloride, see WAC 296-62-07329	—	—
Vinyl cyanide, see Acrylonitrile	—	—
Vinyl cyclohexene dioxide	10	60
Vinyl toluene	50	240
Vinylidene chloride	5	20
VM&P naphtha	300	1,350
Warfarin	—	0.1
Welding fume	—	5
Wood dust	—	—
Nonallergenic	—	5
Allergenic (e.g. cedar, mahogany, teak)	—	2.5
C m-Xylene- α,α -diamine—skin	—	0.1
Xylene (xylol)	100	435
Xylidine—skin	2	10
Yttrium	—	1
Zinc chloride fume	—	1
Zinc chromate	—	0.05
Zinc oxide dust	—	10
Zinc oxide fume	—	5
Zinc stearate	—	10
Zirconium compounds (as Zr)	—	5

a) Parts of vapor or gas per million parts of contaminated air by volume at 25°C and 760 mm. Hg. pressure.

b) Approximate milligrams of substance per cubic meter of air.

c) No footnote "c" is used to avoid confusion with ceiling value notations.

d) An atmospheric concentration of more than 0.02 ppm may require personal protection to avoid headache.

WOOD DUST

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