

MATERIAL SAFETY DATA SHEET

1. PRODUCT/COMPANY IDENTIFICATION

PRODUCT NAME: Wood dust, wood chips, solid lumber
APPEARANCE...: Wood dust consists of finely divided wood particles generated from sawing, sanding, routing, or chipping solid dimensional lumber or other wood products.
CAS NUMBER...: None

REVISION.....:
DATE:.....:
MSDS NUMBER...:

2. HAZARDOUS INGREDIENTS

<u>HAZARDOUS INGREDIENT/CAS #</u>	<u>% BY WT.</u>	<u>EXPOSURE LIMIT (PPM;MG/M3)</u>
Wood CAS # None		OSHA-PEL-TWA 5 (a) ⁽¹⁾ OSHA-PEL-STEL 10 (a) ACGIH-TLV-TWA 5 (b) ACGIH-TLV-STEL 10 (b) ACGIH-TLV-TWA 1 (c) OSHA-PEL-TWA 2.5 (d)
Clorpyrifos CAS # 2921-88-2		ACGIH-TWA 0.2
3-iodo-2-propynyl butyl carbamate CAS # 55406-53-6		None Established

NOTES:

- (1) Based on 1989 OSHA Permissible Exposure Limits (PEL)
- (a) softwood or hardwood total dust
- (b) softwood total dust
- (c) selected hardwood total dust (beech, oak, others)
- (d) Western red cedar total dust

3 HAZARDOUS IDENTIFICATION

WARNING: Mineral spirits is the carrier for the active ingredients. DO NOT process until wood is dry (no mineral spirits odor).

EYE: Contact of wood dust with eye may cause mechanical irritation.

SKIN: Wood dust(s) of certain species may elicit allergic contact dermatitis in sensitive individuals, as well as mechanical irritation resulting in erythema and hives. These products may be irritating to the skin from drying or mechanical abrasion experienced during frequent handling.

INHALATION: Wood dust may cause unpleasant deposit/obstruction in the nasal passages, resulting in dryness of nose, dry cough, sneezing and headaches.

INGESTION: Not applicable under normal use.

4 FIRST AID MEASURES

EYE CONTACT: Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical attention if irritation persists.

SKIN CONTACT: Wash thoroughly with soap and water. Get medical attention if rash, irritation or dermatitis persists.

INHALATION: Remove to fresh air. Get medical attention if persistent irritation, severe coughing or breathing difficulty occurs.

INGESTION: Not applicable under normal use.

5 FIRE AND EXPLOSION DATA

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

FLAMMABLE LIMITS (% volume/air)

Lower Limit: See below under explosion hazards

Upper Limit: Not applicable

EXTINGUISHING MEDIA: Water, carbon dioxide, sand or other common extinguishing media.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned, charred or wet dust to open, secure area after fire is extinguished.

FIRE AND EXPLOSION HAZARDS: Depending on moisture content and, more importantly, particle diameter, wood dust may explode in the presence of an ignition source. 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.

6 SPILL AND LEAK PROCEDURES

Wood dust generated from sawing, sanding, drilling or routing of this product may be vacuumed or shoveled for recovery or disposal.

7 HANDLING AND STORAGE

HANDLING: Avoid dusty conditions and provide good ventilation. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after use.

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Saw or machine wood in open (outdoor) or well ventilated areas. Provide sufficient ventilation to maintain inhalation exposures below OSHA PEL for particulates.

RESPIRATORS: A NIOSH/MSHA approved respirator should be worn when the allowable exposure limits may be exceeded.

OTHER CLOTHING: At a minimum, use goggles to cover eyes and wear cotton or leather-type gloves to minimize potential mechanical irritation from handling product. Wear industrial-type work clothing and safety footwear.

9 PHYSICAL DATA

Weight Per Gallon (lbs): N/App	Freezing Point...: N/App
Vapor Density...: (Air=1) N/App	Boiling Point...: N/App
Vapor Pressure...: N/App	Evaporation Rate: N/App
pH.....: N/App	Specific Gravity: N/App
Solubility In Water: <0.1	Viscosity.....: N/App
% VOL by Volume.. 0	% VOL by Weight.: N/App

10 REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: None

INCOMPATIBILITY: Oxidizing agents and drying oils. Avoid open flame.

HAZARDOUS DECOMPOSITION PRODUCT(S): Thermal decomposition products include carbon monoxide and carbon dioxide.

11 TOXICOLOGICAL DATA

Wood dust may aggravate pre-existing respiratory conditions or allergies. Wood dust(s), depending on the species, may cause allergic contact dermatitis with prolonged, repetitive contact, and respiratory sensitization after prolonged exposure to elevated dust levels. Wood dust has been alleged to cause nasal/paranasal sinus cancer (certain European hardwoods: oak and beech).

Tests conducted with guinea pigs indicated that the product containing chlorpyrifos may have weak skin sensitization potential. However, experience in the manufacture and use of this product has not provided evidence for skin-sensitizing properties.

Excessive exposure to chlorpyrifos may produce organophosphate-type cholinesterase inhibition. Signs and symptoms of excessive exposure to chlorpyrifos may be abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, salivation, tearing, tightness in chest, excessive urination, convulsions. Chlorpyrifos produced mild adrenal effects when fed to rats, but only at doses that greatly exceeded any exposures that would be received during use of this product.

12 ECOLOGICAL DATA

No information available.

13 DISPOSAL CONSIDERATIONS

Follow applicable federal, state and local regulations.

14 TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not regulated
DOT HAZARD CLASS: None
LABEL: None
DOT IDENTIFICATION NUMBER: None

15 REGULATORY INFORMATION

No information available.

16 OTHER INFORMATION

NOTICE: The information contained in this 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. This Material Safety Data Sheet has been prepared to provide health and safety information for wood or wood products which have been treated with Tribucide II. It is the user's 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.

Reference: American Forest and Paper Association Material Safety Data Sheet (June, 1994).