

SAFETY DATA SHEET

Section 1: Identification

Product Name: WOOD DUST

Product Description: Particles generated by manual or mechanical cutting or abrasion process performed on wood.

Company: Rex Lumber Company 840 Main St Acton MA 01720

Phone: 1-800-343-0567

Web Site: www.rexlumber.com

Date of Preparation: 6-7-19

Date of Last Revision: 4-5-14

Section 2: Hazard(s) Identification

Emergency Overview: Wood dust is a light to dark colored granular solid with odor dependent upon wood species and time since dust was generated.

Health Hazards: The primary health hazard posed by this product is dust inhalation which can cause respiratory system irritation. Contact with skin and eyes can also cause irritation. Prolonged or repeated inhalation of wood dust may cause cancer.

Flammability: Depending on the moisture content and particulate diameter wood dust may explode in the presence of an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the LEL for wood dust.

Environmental Effects: The environmental effects of this product have not been investigated, however this product is not anticipated to cause adverse environmental effects.

GHS Hazard Classifications.

Carcinogen Category 2

Eye Irritation Category 2B

Skin Irritation Category 3

STOT SE Category 3

Hazard Statements:

Suspected of causing cancer

Causes eye irritation

Causes mild skin irritation

May cause respiratory irritation

GHS Hazard Symbols:



Precautionary Statements: Avoid exposure, Use only with adequate ventilation, Wash thoroughly after handling.

Description of other hazards: Acute: Inhalation: Exposure to wood dust may cause irritation to the moist mucus membranes of the nose, throat, and upper respiratory system.

Eye Contact: Direct eye contact can cause irritation with redness, tearing, and blurred vision.

Skin Contact: May cause skin irritation.

Ingestion: Ingestion of this product is not a likely route of entry.

Chronic: Wood dust is listed as a carcinogen by NTP, OSHA, or IARC. IARC – Group 1: Carcinogenic to humans; sufficient evidence of carcinogenicity. This classification is primarily based on studies showing association exposure to wood dust and Adenocarcinoma of the nasal cavities and paranasal sinuses. IARC did not find sufficient evidence of an association between occupational exposure to wood dust and other cancers. **Target Organs:** Acute: Eye, skin, Respiratory System Chronic: Respiratory System

Section 3: Composition/ Information on Ingredients

Hazards Disclosure: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1010.1200. As defined under SARA 311 and 312, this product contains known hazardous materials.

Hazardous Ingredients	Hazard Classification	CAS#	WT%
Wood Dust	Carcinogen Cat 2, Irritant	Not Listed	100%

Each of the other components present are less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400. 1-2010 format.

Section 4: First-Aid Measures

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention if necessary. Take a copy of label and SDS to health professional with contaminated individual.

After Eye Contact: If wood dust enters the eyes, open eyes while under gentle running water for 15 minutes. Seek medical attention if irritation or blurred vision continues.

After Skin Contact: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists.

After Inhalation: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention immediately.

Ingestion: If wood dust is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to health professional.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing skin disorders or respiratory conditions may aggravate condition by exposure to wood dust.

Recommendations to Physicians: Treat symptoms and reduce over exposure.

Section 5: Fire-Fighting Measures

Flash Point: Not Applicable

Autoignition Temperature: Dependent upon duration of exposure to heat source and other variables
Typ 400 – 500 degrees F (204 – 260 degrees C)

Flammable limits: (in air by volume, %) Lower LEL see below under UNUSUAL FIRE AND EXPLOSION HAZARDS. Upper UEL Not established.

Unusual Fire and Explosion Hazards: Wood dust is a strong to severe explosion hazard if a dust cloud contacts an ignition source. Depending on the moisture content and particulate diameter, wood dust may explode in the presence of an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the LEL for wood dust. Reference NFPA standards 654 and 664 for guidance. Explosion Sensitivity to mechanical impact: Not Sensitive.

Explosion Sensitivity to Static Discharge: Not Sensitive.

Fighting Fires: Incipient fire responders should wear eye protection. Structural firefighters must wear Self Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Section 6: Accidental Release Measures

Personal precautions: Dried wood dust may pose a combustible dust hazard. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment as described in section 8.

Measures for environmental protection: Avoid accumulation of dried wood dust on exposed surfaces. Avoid actions that cause dust to become airborne.

Measures for cleaning/collecting: Cleanup using shovel, sweeping or vacuum. Avoid dry sweeping which creates dust. Apply water spray to prevent airborne dust. Scrape up wet material and place in an appropriate container.

Section 7: Handling and Storage

Handling: Minimize dust generation and accumulation on surfaces. Avoid dusty conditions and provide good ventilation. Avoid eye contact. Avoid repeated or prolonged contact with skin. Careful bathing and clean clothes after exposure. Avoid prolonged or repeated of wood dust in the air.

Storage: Wood dust may pose a combustible dust hazard. Keep away from ignition sources. Avoid contact with oxidizing agents and drying oils. Avoid open flame.

Section 8: Exposure Controls/Personal Protection

--	--	--	--	--

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH (TWA)	ACGIH (STEL)
Wood Dust	15 mg/m3	5 mg/m3	1 mg/m3	10 mg/m3

Ventilation and Engineering Controls: Provide adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne dust.

Respiratory Protection: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), Equivalent U.S. State standards, Canadian CSA Standard Z94.4 – 93.

Hand Protection: Wear gloves as appropriate were contact is possible. If necessary refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Eye protection: Wear safety glasses as appropriate were contact is possible. If necessary refer to U.S. OSHA 29 CFR 1910.138 or appropriate standards of Canada.

Body Protection: Use clothing appropriate for skin contact.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Wood dust is a light to dark colored granular solid with odor dependent upon wood species and time since dust was generated.

Odor threshold: Mild

pH: 4-6

Boiling point/boiling range: Not Applicable

Flash point: Not Applicable

Evaporation rate: Not Applicable

Vapor Pressure : Not Applicable

Vapor density: Not Applicable

Freezing Point : Not Applicable

Solubility in/Miscibility with water: Insoluble

VOC: Not Applicable

Section 10: Stability and Reactivity

Hazardous Polymerization : Will not occur.

Chemical stability: Wood Dust is stable.

Conditions to avoid: Contact with incompatible materials and ignition sources.

Incompatible materials: Avoid contact with oxidizing agents and drying oils.

Hazardous decomposition products: Thermal decomposition of this product produces oxides of carbon and potentially toxic fumes and gases.

Section 11: Toxicological Information

Toxicity Data: Wood dust (softwood or hardwood) Osha hazard rating = 3.3; moderately toxic with probable oral lethal dose to humans being 0.5 – 5 g/kg (about 1 pound for a 150 pound person)

Source: OSHA Regulated hazardous Substances.

Potential routes of exposure/potential health effects

Skin: May cause skin irritation.

Eye: Direct eye contact can cause irritation with redness, tearing and blurred vision.

Inhalation: May cause irritation to the moist mucus membranes of the nose, throat, and upper respiratory system.

Ingestion: See toxicity data above.

Carcinogenic effects: Wood dust is listed as a carcinogen by NTP, OSHA, or IARC. IARC – Group 1: Carcinogenic to humans; sufficient evidence of carcinogenicity. This classification is primarily based on studies showing association exposure to wood dust and Adencarcinoma of the nasal cavities and paranasal sinuses. IARC did not find sufficient evidence of an association between occupational exposure to wood dust and other cancers.

Reproductive toxicity: No information available

Sensitization: Ingredients in this product are not considered a sensitizer.

Section 12: Ecological Information (non-mandatory)

Environmental Stability: Wood dust in soil contact will degrade readily.

Effects of material on plants and animals: No evidence is currently available on wood dust effects on plants and animals. Wood dust may contain ingredients that are considered hazardous.

Effects on aquatic life: No evidence is currently available on wood dust effects on aquatic life. Wood dust may contain ingredients that are considered hazardous to aquatic organisms.

Section 13: Disposal Considerations (non-mandatory)

Disposal: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, and those of Canada.

Wood dust is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261.

Section 14: Transport Information (non-mandatory)

DOT regulations: This product is not hazardous as defined by 49 CFR 172.101 by the U.S. department of Transportation.

- **Proper shipping name:** Non – Regulated material.
- **Hazard class number and description:** None
- **UN Identification number:** None
- **Packing group:** None
- **DOT Label(s) required:** None

U.S. DOT Shipping Regulations: Wood dust is not classified as dangerous goods, per U.S. DOT regulations under 49 CFR 172.101

Transport Canada: Wood dust is not classified as dangerous goods, per regulations Transport Canada.

International Air Transport Association (IATA) : Wood dust is not classified as dangerous goods by rules of IATA.

International Maritime Organization (IMO) : Wood dust is not classified as dangerous goods by the International Maritime Organization.

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Reporting Requirements: Wood dust is not subject to the reporting requirements of section 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act , as follows:

TSCA: All components in this product are not listed on the U.S. Toxic Substance Control Act (TSCA) inventory of chemicals.

SARA 311/312: Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA Threshold Planning Quantity: There are no specific threshold planning quantities for wood dust. The default SDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity: None

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): Wood dust is a substance listed under the California Proposition 65.

Warning: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the state of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.p65warnings.ca.gov/wood

Canadian Regulations

Canadian Environmental Protection Act (CEPA): No component of this product is on the CEPA first priorities lists.

Canadian WHMIS Classification and Symbols: This is not considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and is therefore subject to the labeling and SDS requirements of the Workplace Hazardous Materials Information System (WHMIS). Labeling not required.

Section 16: Other Information

Refer to NFPA Standards 654 and 664 for safe handling.

NFPA 654 Standard for the prevention of fire and dust explosions from the manufacturing, processing, and handling of combustible particulate solids.

NFPA 664 Standard for the prevention of fires and explosions in wood processing and woodworking facilities.

Disclaimer

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Rex Lumber Company. The data on this sheet is related only to the specific material designated herein. Rex Lumber Company assumes no legal responsibility for use or reliance upon this data.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.