


1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **WOOD DUST**
PRODUCT DESCRIPTION: Particles generated by manual or mechanical cutting or abrasion process performed on wood
U.N. NUMBER: None
U.N. DANGEROUS GOODS CLASS: Non-Regulated Material
SUPPLIER NAME: Setzer Forest Products
ADDRESS: 2555 3rd Street, Suite 200, Sacramento, CA 95818
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DATE OF PREPARATION: 01/01/2014
DATE OF LAST REVISION: 01/10/2018

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

US DOT SYMBOLS	CANADA (WHMIS) SYMBOLS	GHS HAZARD SYMBOL(S)
Not Regulated	Not Controlled	

Signal Word: **WARNING!****COMPONENTS DETERMINING HAZARDS:** Wood Dust

GHS HAZARD CLASSIFICATION(S): Carcinogen Category 2 Skin Irritation Category 3
 Eye Irritation Category 2B STOT SE Category 3

HAZARD STATEMENTS: Suspected of Causing Cancer Causes Mild Skin Irritation
 Causes Eye Irritation

PRECAUTIONARY STATEMENT: Avoid Exposure Wash Thoroughly After Handling
 Use Only With Adequate Ventilation

HEALTH RISKS FROM EXPOSURE:

ACUTE:	INHALATION:	Exposure to wood dust may cause irritation to the moist mucous 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, 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**3 COMPOSITION AND 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 1910.1200. As defined under SARA 311 and 312, this product contains known hazardous materials.

HAZARDOUS INGREDIENTS:	CAS #	WT %	HAZARD CLASSIFICATION RISK PHRASES
Wood Dust	Not Listed	100%	HAZARD CLASSIFICATION: Carcinogen Cat 2. (X) Irritant RISK PHRASES: R36/37/38

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.

4 FIRST AID MEASURES

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


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.
SKIN CONTACT:	Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists.
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 the health professional.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Individuals with pre-existing skin disorders or respiratory conditions may aggravate conditions by exposure to wood dust.
RECOMMENDATIONS TO PHYSICIANS:	Treat symptoms and reduce over-exposure.

5 FIRE FIGHTING MEASURES

FLASH POINT	Not Applicable
AUTOIGNITION TEMPERATURE	Dependent upon duration of exposure to heat source and other variables 400-500F (204-260C)
FLAMMABLE LIMITS (in air by volume, %)	Lower (LEL): See note below Upper (LEL): Not Established
FIRE EXTINGUISHING MATERIALS	Dry chemical, carbon dioxide foam. Do not use forced stream as this could cause fire to spread.
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 dusts.

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES	NFPA Rating System
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.	

6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE:

Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment as described in Section 8. 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.

7 HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES

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 breathing of wood dust in the air.

STORAGE AND HANDLING PRACTICES

Avoid contact with oxidizing agents and drying oils. Avoid open flame

8 EXPOSURE CONTROLS - PERSONAL PROTECTION

CHEMICAL NAME	CAS #	ACGIH TWA	OSHA TWA
Wood Dust	Not Listed	1.0 mg/m ³ Inhalable 0.5 mg/m ³ Inhalable Western Red Cedar	15 mg/m ³ Total Dust 5.0 mg/m ³ Respirable Fraction

Currently, International exposure limits are not established for all the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS:	Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapors. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart 1 (beginning at 1910.132) or equivalent standard of Canada. Please reference applicable regulations and standards for relevant details.
RESPIRATORY PROJECTION:	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.
EYE PROTECTION:	Wear safety glasses as appropriate where contact is possible. If necessary, refer to U.S. OSHA-29-CFR 1910.133 or appropriate Canadian Standards.
HAND PROTECTION:	Wear gloves as appropriate to reduce skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.
BODY PROTECTION:	Use body protection appropriate to prevent skin contact (e.g. lab coat, overalls) If necessary refer to appropriate Standards of Canada or appropriate Standards of the E.U., Australian Standards, or relevant Japanese Standards.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid
APPEARANCE & 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 (PPM)	Mild
VAPOR PRESSURE (mmHg)	Not Applicable
VAPOR DENSITY (AIR=1)	Not Applicable
EVAPORATION RATE (nBuAc =1)	Not Applicable

BOILING POINT (C°)	Not Applicable
FREEZING POINT (C°)	Not Applicable
pH	4-6
SPECIFIC GRAVITY 20 C°: (WATER=1)	Variable dependent on wood species and moisture content
SOLUBILITY IN WATER (%)	Insoluble
VOC	Not Applicable

10 STABILITY AND REACTIVITY

STABILITY	Wood dust is stable.
DECOMPOSITION PRODUCTS	When heated to decomposition, this product produces oxides of carbon and potentially toxic fumes and gases.
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE	Avoid contact with oxidizing agents and drying oils
HAZARDOUS POLYMERIZATION	Will not occur
CONDITIONS TO AVOID	Contact with incompatible materials and ignition sources.

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, Government Institutes, Inc.
SUSPECTED CANCER AGENT	One or more of the ingredients are found on the following lists. FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is considered to be or suspected to be a cancer causing agent by these agencies. <i>Wood dust is listed as a carcinogen by NTP, OSHA, 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 an other cancers.</i>
IRRITANCY OF PRODUCT	Contact with this product can be irritating to skin and eyes.
SENSITIZATION OF PRODUCT	Ingredients in this product are not considered a sanitizer
REPRODUCTIVE TOXICITY INFORMATION	No information available

12 ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION

ENVIRONMENTAL STABILITY:	Wood dust in soil contact will degrade readily.
EFFECT OF MATERIAL ON PLANTS AND ANIMALS:	No evidence is currently available on this wood dust effects on plants and animals. Wood dust may contain ingredients that are considered hazardous.
EFFECT OF CHEMICAL 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.

13 DISPOSAL CONSIDERATIONS**PREPARING WASTES FOR 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.

14 TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR

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
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HAZARD CLASS NUMBER AND DESCRIPTION	None
UN IDENTIFICATION NUMBER	None
PACKING GROUP	None
DOT LABEL(S) REQUIRED	None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK, NUMBER (2004)	None
MARINE POLLUTANT	None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS

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

TRANSPORT CANADA. TRANSPORTATION OF DANGEROUS GOOD REGULATIONS

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

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

Wood dust is not classified as dangerous goods, by rules of IATA

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION

Wood dust is not classified as dangerous goods by the International Maritime Organization.

15 REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS

Wood dust is not subject to the reporting requirements of Sections 302, 304 and 813 of Title III of the Superfund Amendments and Reauthorization Act as follows.

SARA 311/312

Acute Health: Yes **Chronic Health:** Yes **Fires:** No **Reactivity:** No

U.S. SARA THRESHOLD PLANNING QUANTITY

There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,500 kg) may apply per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

Wood dust may contain ingredients that are on the California Proposition 65 lists.

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, visit: www.P65Warnings.ca.gov/wood

CANADIAN REGULATIONS

CANADIAN DSL/NDL, INVENTORY STATUS

All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

No component of this product is on the CEPA First Priorities Substance 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 MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS). Labeling not required.

16 OTHER INFORMATION

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

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