



## SAFETY DATA SHEET

Contact: Jeff Young

### SECTION 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/MFR'S NAME:** Young Manufacturing Company, Inc.  
**ADDRESS:** 521 S. Main Street, Beaver Dam, KY 42320  
**BUSINESS PHONE:** 270-274-3306  
**WEB SITE:** [www.youngmanufacturing.com](http://www.youngmanufacturing.com)  
**DATE OF PREPARATION:** 06-01-2015  
**DATE OF LAST REVISION:** 02-01-2011

### SECTION 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 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 dusts.

**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  
Non-Regulated

CANADA (WHMIS) SYMBOLS  
Not Controlled

GHS HAZARD SYMBOL(S)



Signal Word: **Warning!**

**COMPONENTS DETERMINING HAZARDS:**

Wood Dust

**GHS HAZARD CLASSIFICATION(S):**

Carcinogen Category 2

Eye Irritation Category 2B

Skin Irritation Category 3

STOT SE Category 3

**HAZARDS STATEMENTS:**

Suspected of causing cancer

Causes eye irritation

Causes mild skin irritation

May cause respiratory irritation

**PRECAUTIONARY STATEMENTS:**

Avoid exposure

Use only with adequate ventilation

Wash thoroughly after handling

**HEALTH HAZARDS OR 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, depending upon species, may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. IARC classifies wood dust as a carcinogen to humans (Group 1). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust. IARC classifies wood dust as a carcinogen to humans (Group 1). This classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.

**TARGET ORGANS:** ACUTE: Eye, Skin, Respiratory System

CHRONIC: Respiratory System

**SECTION 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:**

HAZARDOUS INGREDIENTS:	CAS#	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Wood Dust	Not Listed	100%	Hazard Classification: Carcinogen Cat 2, [Xi] 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.

## 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 copy of label and SDS to health professional with contaminated individual.

**EYE :** Flush with water to remove dust particles. If irritation persists, get medical attention.

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

**INHALATION:** Not applicable.

## SECTION 5 – FIRE FIGHTING MEASURES

**FLASH POINT:** Not Applicable  
**AUTOIGNITION TEMPERATURE:** Variable typically 400 - 500°F (204 -260° C)  
**EXPLOSIVE LIMITS IN AIR:** 40 grams/m<sup>3</sup> (LEL)  
**FIRE EXTINGUISHER MATERIALS:** Dry chemical, carbon dioxide, foam  
**SPECIAL FIRE FIGHTING PROCEDURES:** Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust in the air. Remove burned or wet dust to open area after fire is extinguished.

**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.

Explosion Sensitivity to Mechanical Impact:

Not Sensitive

Explosion Sensitivity to Static Discharge:

Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:**

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.

### NFPA RATING SYSTEM



## SECTION 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 describe 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.

## SECTION 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.

## SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
Wood Dust	Not Assigned	1.0 mg/m <sup>3</sup> Inhalable 0.5 mg/m <sup>3</sup> Inhalable (certain hardwoods - Oak)	15 mg/m <sup>3</sup> Total Dust 5.0 mg/m <sup>3</sup> 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 provide 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 I (beginning at 1910.132) or equivalent standard of Canada. Please reference applicable regulations and standards for relevant details.*

**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.

**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 Canadian Standards.

**BODY PROTECTION:** Use body protection appropriate to prevent skin contact. If necessary, refer to appropriate Canadian Standards, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## SECTION 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

## SECTION 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.

## 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, 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.

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.

**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 sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No information available.

## SECTION 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 or 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 this wood dust effects on aquatic life. Wood dust may contain ingredients that are considered hazardous to aquatic organisms.

## SECTION 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.

## SECTION 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

**HAZARDOUS 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 GOODS 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.

## SECTION 15 – REGULATORY INFORMATION

### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** Wood dust is not subject to the reporting requirements of Sections 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 US Toxic Substances 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 this product. The default Federal MSDS 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 (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 generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards to avoid inhaling dust generated from wood products. Wood products emit chemicals known to the State of California to cause birth defects or other reproductive harm.**

#### CANADIAN REGULATIONS:

**CANADIAN DSL/NDSL 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.

## SECTION 16 – OTHER INFORMATION

**IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Young Manufacturing Company, Inc. makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. Young Manufacturing Company, Inc. will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

Avoid contact with oxidizing agents and drying oils.

Avoid open flame.

### GENERALLY APPLICABLE CONTROL MEASURES

**Ventilation:** Provide adequate general and local exhaust ventilation to maintain healthful working conditions.

Wear goggles or safety glasses. Other protective equipment such as gloves and approved dust respirators may be needed depending upon dust conditions.

**EMERGENCY AND FIRST AID PROCEDURES**

- Eyes..... Flush with water to remove dust particles.  
If irritation persists, get medical attention.
- Skin..... If a rash or persistent irritation or dermatitis occur, get  
medical advice before returning to work where wood dust  
is present.
- Inhalation..... Not applicable.

**SPILL/LEAK CLEAN-UP PROCEDURES**

Sweep or vacuum spills for recovery or disposal; avoid creating dust conditions. Provide good ventilation where dust conditions may occur. Place recovered wood dust in a container for proper disposal.

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YOUNG MANUFACTURING COMPANY, INC.  
P.O. BOX 167  
BEAVER DAM, KY 42320-0167  
PHONE 270-274-3306 FAX 270-274-9522

**WARNING**

THIS PACKAGE CONTAINS

**WOOD DUST**

**(For all Untreated Wood and Untreated Wood Products)**

**CAUTION!!**

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 ALLERGIC RESPIRATORY EFFECTS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IRAC) HAS CLASSIFIED WOOD DUST AS A NASAL CARCINOGEN IN HUMANS.

\*Avoid dust contact with ignition source.

\*Sweep or vacuum dust for recovery or 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 air. In case of contact, flush eyes and skin with water. If irritation persists, call a physician.