

# Material Safety Data Sheet

## Mia 62 Wood Flour

Date of Preparation: October 25, 2010

### Section 1 Chemical Product and Company Identification

**Product/Chemical Name:** Mia 62 Wood Flour  
**Chemical Family:** Cellulose  
**CAS Number:** 9004-34-6  
**Other Designations:** N/A  
**General Use:** N/A  
**Manufacturer:** Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011  
Phone (440) 934-1902, FAX (440) 934-7200, Hours of Operation 8-5,  
Emergency phone number 1-800-424-9300

HMIS	
H	1
F	1
R	0
PPE Sec.8.	

### Section 2 Composition/Information on Ingredients

Wood Flour from Maple, Ponderosa Pine, Oak, Spruce, Southern Yellow Pine, Cedar

### Section 3 Hazards Identification

#### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

CAUTION! May cause eye irritation.

#### Potential Health Effects

**Primary Entry Routes:** Skin Contact

**Inhalation:** Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat, and lungs.

**Eye:** May cause irritation on prolonged or repeated contact.

**Skin:** May cause irritation on prolonged or repeated contact.

**Ingestion:** No hazards known.

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components as carcinogens.

### Section 4 First Aid Measures

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen and/or artificial respiration.

**Eye Contact.** Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists

**Skin Contact:** In case of irritation, flush with water..

**Ingestion:** Not Applicable

**Carcinogenicity:** IARC has classified 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 para nasal 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.

## Mia 62 Wood Flour

### Section 5 Fire Fighting Measures

**Flash Point:** Not applicable

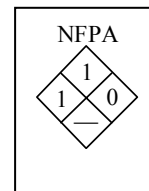
**Auto-ignition Temperature.** Variable with exposure to temperatures as low as 212° F

**Explosive Limits in Air.** 40 grams/M<sup>3</sup> (LEL)

**Extinguishing Media.** Water, CO, Sand

**Special Fire Fighting Procedures:** Use water to wet down dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after the fire is extinguished

**Unusual Fire and Explosion Hazard:** Wood dust is strong to severe explosion hazard if dust “cloud” contacts an ignition source.



### Section 6 Accidental Release Measures

**Spill /Leak Procedures:** Sweep or vacuum spills for recovery or disposal; avoiding creating dust conditions. Provide good ventilation where dust conditions may occur. Place recovered wood dust in a container for disposal.

### Section 7 Handling and Storage

**Handling Precautions:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

**Storage Requirements:** Store at ambient temperatures in closed containers. Keep away from flame. Avoid contact with drying oils or moisture causing biological activity, as spontaneous combustion under certain conditions may be possible.

### Section 8 Exposure Controls/Personal Protection

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.

**Respiratory Protection:** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation.

**Protective Clothing/Equipment:**

**Hand Protection:** With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

**Eye Protection:** With product at ambient temperatures, use safety glasses equipped with side shields.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General Hygienic Practices:** Avoid breathing dust, Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

### Section 9 Physical and Chemical Properties

**Appearance and Odor:** Light to dark colored granular solid. Odor depends upon type of wood and age

**Odor Threshold:** Not available

**Vapor Pressure:** Not applicable

**Vapor Density (Air=1):** Not applicable

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** Variable, depends upon wood type and moisture content

**pH:** Not applicable

**Water Solubility:** Insoluble

**Boiling Point:** Not applicable

**Freezing Point:** Not available

**Evaporation Rate (Butyl Acetate=1):** Not applicable

## Mia 62 Wood Flour

### Section 10 Stability and Reactivity

**Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Heat and open flames.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce CO and CO<sub>2</sub>.

### Section 11 Toxicological Information

**Carcinogenicity:** IARC has classified 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 para nasal 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.

### Section 12 Ecological Information

No Known evidence of adverse effects from available information

### Section 13 Disposal Considerations

**Disposal:** Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations

### Section 14 Transport Information

#### DOT Transportation Data (49 CFR 172.101):

Shipping Name Non-Regulated

### Section 15 Regulatory Information

#### US Federal Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not listed.

SARA 311/312 Codes: No hazard categories identified.

SARA Toxic Chemical (40 CFR 372.65): No components were identified

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements.

#### State Regulations:

**California Prop 65:** This product contains wood dust which is listed as a cancer hazard.

### Section 16 Other Information

**Disclaimer:** The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.