Safety Data Sheet

UV Coated Birch Dieboard

Section 1 Identification

HMIS	
H	1
F	1
R	0
PPE Sec. 8	

Product identifiers

Product names: UV Coated Birch Dieboard

Relevant identified uses

UV Stabilized Birch - For Industrial Use Only

Details of the supplier of the safety data sheet

Freeman Manufacturing and Supply Company
1101 Moore Road, Avon, OH 44011
Phone (440) 934-1902
FAX (440) 934-7200

24 Hour Emergency Phone Number: (800) 424-9300

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

This product is not hazardous in the form that it is shipped.

Sawing, sanding or machining wood or wood products can generate wood dust. Wood dust may ignite or form explosive mixture with air in the presence of an ignition source. Product dust may be irritating to eyes, skin or respiratory system.

Target organs

Eyes, skin and respiratory system

Potential health effects

Eyes: Dust or splinters may cause irritation or injury to the eyes.
Skin: Contact with skin may cause irritation. Allergic contact dermatitis may occur in sensitized individuals.
Inhalation: Dusts of this product may cause irritation to the nose, throat, or respiratory tract. Wood dust may aggravate pre-existing respiratory conditions and allergies.
Ingestion: Due to material form and application, ingestion is considered unlikely. May result in irritation of the digestive tract.

Section 3 Composition/Information on Ingredients

Composition

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment.

Ingredient	CAS No.
Birch veneers	Not Applicable
E-1 Urea resin	Not Applicable
UV Polymer coating	Not Applicable

Section 4 First Aid Measures

Eye contact In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. Do not rub the eyes. Get medical attention immediately.

Skin contact If irritation develops, wash off with soap and plenty of water. Get medical attention if irritation persists.

Inhalation Move person to fresh air. If not breathing, give artificial respiration. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.

Ingestion Not applicable.

Section 5 Fire-Fighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

General fire hazards

Wood is combustible when exposed to heat or flame. Wood dusts may form explosive mixtures with air in the presence of an ignition source. An airborne dust concentration of 40 g/m^3 of air is often used as the lower explosion limit (LEL) for wood dust. Avoid prolonged breathing of wood dust or decomposition products.

Protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus. Partially burned dust is especially hazardous if dispersed into the air. Wet down to reduce likelihood of ignition or dispersion.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and clothing during clean-up, see Section 8. Ensure adequate ventilation. Avoid inhalation of dust during clean up.

Methods for cleaning up

Vacuum or wet sweep small wood pieces and dust; place in appropriate container for disposal. Gather larger pieces by an appropriate method. Reduce airborne dust by use of wet methods and prevent scattering by moistening with water.

Section 7 Handling and Storage

Precautions for safe handling

When the boards are machined (sawn, sanded, drilled, routed, planed, etc.) wood dust is produced. Wood dust can form an explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Keep away from heat and sources of ignition. Keep formation of airborne dusts to a minimum.

Wood dust and splinters may cause irritation of the nose and throat, eyes and skin. Some woods may be sensitizers, and some people may develop allergic dermatitis or asthma. Use personal protective equipment as appropriate. Avoid frequent or prolonged inhalation of wood dust. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling.

Conditions for safe storage

Store flat, supported and protected from direct contact with the ground. In higher temperatures (>212°F) there may be a buildup of noxious gases. Keep in a well-ventilated place away from incompatible materials. Store in a cool dry place.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient	OSHA PEL	ACGIH
Wood dust	TWA 15 mg/m^3 (total) TWA 5 mg/m^3 (respirable fraction)	1 mg/m^3 (inhalable)
Formaldehyde	TWA 0.75 ppm	0.3 ppm

Appropriate engineering controls

Provide adequate general and local exhaust ventilation to keep the airborne concentrations of dust below the recommended exposure limits when the product is subjected to manual or mechanical cutting or abrasion processes that generate wood dust. Prevent sparks or other ignition sources in ventilation equipment. General dilution ventilation is recommended in processing and storage areas. Use wet methods, if appropriate, to reduce generation of dust. An eye wash station and safety shower should be located near the workstation.

Personal protective equipment

Eye/face protection

Safety glasses or goggles are recommended when using this product. Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and .133) for eye and face protection. With product at ambient temperatures, use safety glasses equipped with side shields.

Skin protection

Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection))

Respiratory Protection

A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

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	Rigid boards or panels
Color	Light to dark tan
Odor	Resinous wood
Odor threshold	Not applicable
pH	Not applicable
Boiling point	Not applicable
Melting point	Not applicable
VOC Content	No data available
Initial boiling point & boiling range	No data available
Evaporation rate (Butyl Acetate = 1)	Not applicable
Flammability (solid)	Combustible

Section 9 Physical and Chemical Properties continued

Upper flammability limits in air, % by volume	No data available
Lower flammability limits in air, % by volume	40 g/m^3 for wood dust
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	<1.0
Solubility in water (% by weight)	<0.1%
Coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable (Will depend on duration of exposure to heat and other variables)
Viscosity	Not applicable
% Volatile by volume	0

Section 10 Stability and Reactivity

Reactivity	None known.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None.
Conditions to avoid	Heat and open flames. Dust may for explosive mixture in air. Product may ignite in excess of 400°F
Incompatible materials	Oxidizing agents, peroxides.
Hazardous decomposition	Thermal decomposition may emit irritating fumes or gases of carbon monoxide, carbon dioxide.
Hazardous polymerization	Not applicable

Section 11 Toxicological Information

Toxicological information

No toxicological data available for this product.

The toxicological information for wood/wood dust is listed below.

Wood/wood dust (CAS # Not Assigned)

Wood dust may cause dryness, irritation, coughing or sinusitis. IARC and NTP classify wood dust as a carcinogen. This classification is based on the increased occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust. The evaluation noted insufficient evidence to associate cancer of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum with exposure to wood dust.

Acute inhalation toxicity	Health hazards may include respiratory irritation, nasal dryness, coughing, wheezing and sneezing
Chronic inhalation toxicity	Health hazards include respiratory sensitization and/or irritation. The National Toxicology Program (NTP) lists wood dust as a known human carcinogen.
Acute dermal toxicity	May cause an allergic reaction
Skin corrosion/irritation	Skin irritant
Serious eye damage/eye irritation	Eye irritant
Germ cell mutagenicity	No data available

Section 11 Toxicological Information continued

Carcinogenicity

IARC Wood dust is considered Group 1 (Carcinogenic to Humans) Monograph 62 [1995]
NTP Report on Carcinogens - Known Human Carcinogen
OSHA Hazard Communication Carcinogens - Present

Reproductive toxicity	Not available
Specific target organ toxicity - single exposure	May cause respiratory irritation
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	Not expected to be a hazard
Teratogenicity	No data available
Synergistic materials	Not applicable

Section 12 Ecological Information

Ecotoxicity	No data available
Environmental effects	No data available

Section 13 Disposal Considerations

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 Transport Information

Department of Transportation (DOT) Requirements

This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.

Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

Section 15 Regulatory Information

US Federal Regulations: Wood and wood products are considered manufactured articles and are exempt under OSHA's Hazard Communication Standard 29 CFR 1910.1200.
Wood dust, a by-product generated from sawing, sanding or machining wood and wood products, is considered hazardous and is regulated under the Hazard Communication Standard 29 CFR 1910.1200.

SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product.

CERCLA Reportable Quantity (RQ): None

TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing.

New Jersey and Pennsylvania Right to Know: Wood/wood dust (CAS not assigned) is listed

Section 15 Regulatory Information continued

California Proposition 65: Ingredients within this product are not on the 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 go to www.P65Warnings.ca.gov/wood

Canadian regulations: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

CARB California Certified: This product fulfils the ULEF emission requirements

EPA TSCA Title VI: This product fulfils the requirements according to EPA TSCA Title VI

Section 16 Other Information

Disclaimer

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