Safety Data Sheet

Euroform Plywood

Section 1 Identification

Product Name

Euroform Plywood

Relevant identified uses

Specialty birch plywood with thermally fused phenolic facings - For Industrial Use Only

Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011 USA
Telephone: (440) 934-1902
Email: contactus@freemansupply.com

Section 2 Hazards Identification

Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

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

Classification in accordance with Canada WHMIS

Not Controlled

Hazards not otherwise classified (HNOC)

EYE CONTACT: Product in the supplied form can emit small amounts of formaldehyde which can unlikely cause temporary irritation or a burning sensation.
Further processing of the product – can produce wood dust which can cause mechanical irritation.
SKIN CONTACT: Birch may evoke allergic contact dermatitis in sensitized individuals. Handling panels may cause splinters which lead to skin irritation.
INHALATION: In well-ventilated work areas the concentration of formaldehyde will not exceed World Health Organization standard of 0.1 mm and will be well far below the occupational Exposure Standard of 1.0 ppm on a time weighted average.
Formaldehyde may lead to temporary irritation to eyes, nose, and throat.
Wood dust May cause nasal dryness, irritation and obstruction. Coughing, wheezing, sneezing, sinusitis and prolonged colds have also been reported. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Wood dust is not listed as a carcinogen.
INGESTION: Not applicable as is not likely to occur.

Classification of Wood Dust in accordance with 29 CFR 1910 (OSHA HCS)

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 the eyes, skin or respiratory system. Wood dust is considered hazardous by OSHA and a recognized health hazard by the American Conference of Governmental Industrial Hygienists (ACGIH).

Section 3 Composition/Information on Ingredients

This panel product contains a 100% birch veneer face bonded to birch veneer using phenol-formaldehyde adhesive, covered with paper impregnated with phenolic resin.
Panel: 100% pure birch (Betula pendula and Betula pubescens) veneer.
Adhesive: Phenol formaldehyde resin

Section 4 First Aid Measures

EYES: Flush eyes with large amounts of water. If irritation persists, get medical attention.
SKIN: Wash affected areas with soap and large amount of water. If persistent irritation or dermatitis occur get medical advice attention.

Section 4 First Aid Measures

INHALATION: Remove to fresh air. Get medical advice if persistent irritation, severe coughing or breathing difficulty occurs.
INGESTION: Not applicable.

Section 5 Fire-Fighting Measures

Extinguishing media

Use alcohol-resistant foam, dry chemical, sand or carbon dioxide.
Do not use forced stream water as this could cause fire to spread.

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

Incipient fire responders should wear eye protection. Structural firefighters responding to structural fires must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from the 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, 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.

Care should be taken and necessary equipment shall be used when handling heavy loads of plywood.

Conditions for safe storage

Product is to be stored in a dry well ventilated space to reduce the formaldehyde concentration build up.
Product is combustible and should be kept away from ignition sources.
Store flat, supported and protected from direct contact with the ground.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Ingredient	OSHA PEL	ACGIH TLV
Formaldehyde	TWA 0.75 ppm	TWA 0.1 ppm
Wood dust	TWA 15 mg/m³ (total) TWA 5 mg/m³ (respirable fraction)	1 mg/m³ (inhalable)

Appropriate engineering controls

Use adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapors. High temperatures increase the risk of possible build-up of formaldehyde gas.

Machining equipment with exhaust devices/dust collecting equipment should be used to remove saw dust from the product while it is cut or sanded. To be kept away from sources of radiant heat, flame sources, sparks and other possible sources of ignition.

Personal Protective Equipment

Eye/face protection: Wear safety glasses as appropriate where contact is possible.

Skin protection: Wear safety glasses as appropriate where contact is possible. Use body protection appropriate to prevent skin contact (e.g. lab coat, overalls). Work gloves are necessary to minimize exposure and prevent splinters when handling panels.

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.

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	Mild, resinous wood
Odor threshold	Not applicable
pH	Neutral
Flash Point	Not applicable
Melting point / freezing point	Not applicable
VOC	0%
Initial boiling point	No data available
Evaporation rate (Butyl Acetate = 1)	Not applicable
Flammability (solid)	Combustible
Upper flammability limits	No data available
Lower flammability limits	40 g/m³ for wood dust (in air, % by volume)
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	< 1
Solubility in water (by weight)	<0.1%
Coefficient: n-octanol/water	Not applicable
Autoignition Temperature	Approximately >392°F (>200°C)

Section 10 Stability and Reactivity

Reactivity	None known.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known
Conditions to avoid	Heat and open flames. Product may ignite in excess of 400°F Dust may for explosive mixture in air.
Incompatible materials	Oxidizing agents, peroxides.
Hazardous decomposition	Thermal and/or thermal oxidative decomposition can produce irritating and toxic fumes and gases, including carbon monoxide, hydrogen cyanide, aldehydes, organic acids and polynuclear aromatic compounds
Hazardous polymerization	Not applicable

Section 11 Toxicological Information

Toxicological information

No toxicological data available for this product.

Toxicological information of component: Formaldehyde

Formaldehyde is listed on the International Agency for Research on Cancer (IARC) as a probable human carcinogen.

Formaldehyde is regulated by OSHA as a potential cancer agent. In studies involving rats, formaldehyde has been shown to cause nasal cancer after long-term exposure to very high concentration (14+ ppm). Far above those normally found in the workplace, using this product.

The National Cancer Institute (NCI) conducted an epidemiological study of industrial workers exposed to formaldehyde (published June 1986). The NCI concluded that the data provides little evidence that mortality from cancer is associated with formaldehyde exposure at the levels experienced by workers in the study.

Toxicological information of component: Wood dust

Dust generated during machining of plywood is not classified as a potential cancer hazard by OHSA or the National Toxicology Program IARC (International Agency of research for cancer) classifies wood dust as a carcinogen for humans due to potential risk in occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with exposure to wood dust.

Section 12 Ecological Information

Ecotoxicity: This wood product does not pose an ecological hazard when used as intended.
Product is biodegradable. Insoluble in water – not a water hazard.

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

Section 14 Transport Information

Department of Transportation (DOT) Shipping Regulations

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

OSHA: 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 Reporting Requirements: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

Canadian WHMIS

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.

European Economic Community Information

Inventory Status

TSCA: The components of this product are listed on the US Toxic Substance Control Act Inventory or are exempted from listing.

DSL/NDSL Inventory: All of the components of this product are on the Canadian DSL Inventory

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

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.

Date of Initial Release: December 5, 2023
Date of Previous Revision: Not applicable