
SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: No-Added Formaldehyde Medium Density Fibreboard
TRADE NAME: NAF MDF
SYNONYMS: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A
CAS NUMBER: None
MANUFACTURER'S NAME AND ADDRESS:
Pembroke MDF
777 Fibreboard Road
Pembroke Ontario Canada
K8A 6W4
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DATE PREPARED OR REVISED: October 23rd, 2015

SECTION II - HAZARDOUS INGREDIENTS

COMPONENT	CAS #	ONTARIO OEL	OSHA PEL
Wood Dust/Fibre	None	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA (total dust): 15 mg/m ³ TWA (respirable fraction): 5 mg/m ³
Methylene-diphenyl-diisocyanate (MDI)*	101-68-8	TWA: 0.005ppm Ceiling: 0.02ppm	TWA: 0.005ppm Ceiling: 0.02ppm

*There is no detectable MDI monomer in the product as purchased. MDI polymerizes into an inert and non-hazardous polyurea compound during the board manufacturing process.

Ontario OEL: Ontario Occupation Exposure Limits

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

OSHA PEL: Occupational Safety and Health Administration Permissible Exposure Limit

SECTION III - PHYSICAL PROPERTIES

DESCRIPTION

Composite panel product composed of resin and wood fibers/lingo cellulosic fibers of varying percent (dependent on properties and thickness) pressed into panels of various sizes (normally 4 ft. X 8 ft.). Light tan to dark brown and may be colored due to the addition of wood coloring dye during manufacture.

PHYSICAL DATA

Boiling Point - Not Applicable

Specific Gravity - < 1

Vapor Density - Not Applicable

% Volatiles By Volume - Not Applicable

Melting Point - Not Applicable

Vapor Pressure - Not Applicable

Solubility In Water (H₂O) (% BY WT.) - Insoluble

Evaporation Rate (Butyl Acetate = 1) - Not Applicable

pH - Not Applicable

Appearance And Odor - Light to dark colored solid. Color and odor are dependent on the wood species and time since board was manufactured and if any dye is present.

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point - Not Applicable

Auto Ignition Temperature - 425 - 475 degrees F

Flammable Limits – Wood Panel, Piloted flame ~500 degrees F.

Fire Extinguishing Media - Water Spray, Carbon Dioxide

Special Fire Fighting Procedures – Use class A firefighting procedures for an incipient fire. Fire-fighting procedures for wood products are well known. Water and Class A foam should be considered. Seek professional firefighting help as necessary.

Unusual Fire And Explosion Hazards – This product does not present a fire or explosion hazard. Sawing, drilling, sanding, or machining this product could result in the creation of wood dust and or lingo-cellulosic fibers/dust. Wood dust may present a strong to sever explosion hazard if a dust cloud contacts an ignition source. According to data contained in NFPA Standards, 0.04 ounce of wood flour per cubic foot of air is the minimum explosive concentration

SECTION V - HEALTH HAZARD DATA

EXPOSURE, ACUTE AND CHRONIC

Wood Dust/Fiber: May cause nasal dryness, irritation and mucostasis. Coughing, wheezing, sneezing, sinusitis and prolonged colds have also been reported. Depending on wood species may cause respiratory sensitization and/or irritation. If irritation persists seek medical attention.

Signs and Symptoms of Exposure to Wood Dust - Acute: May cause eye irritation, nasal dryness, irritation and obstruction. Certain species may cause allergic dermatitis to certain individuals. If irritation persists, seek medical attention. Chronic:

Depending on species of wood, wood dust may cause allergic dermatitis from repetitive contact at elevated levels. Certain elevated levels and prolonged exposures to wood dust have been associated with nasal cancer.

IARC classifies wood dust, depending on species, as a carcinogen to humans (group 1). This classification is primarily based on studies showing an association between occupational 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 cancers of the oropharynx, hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon or rectum. NTP classifies wood dust as a known human carcinogen.

Methylene-diphenyl-diisocyanate (MDI): All MDI resin used in this product has fully polymerized to inert non-hazardous polyurea.

EMERGENCY FIRST AID PROCEDURES

Inhalation- Remove to fresh air. If irritation or other symptoms persist, seek medical attention.

Eyes- Wash material from eyes with clean running water. If irritation persists, seek medical attention.

Skin - If skin is abraded, utilize proper first aid procedures and seek medical attention.

Ingestion - N/A

SECTION VI – REACTIVITY AND STABILITY DATA

Stability - Stable

Conditions To Avoid – Avoid product contact with any temperature sources that could induce thermal decomposition.

Incompatibility (materials to avoid) - Strong oxidizing agents, strong acids

Hazardous Decomposition Products - Thermal and/or thermal-oxidative decomposition can product irritating and potentially toxic fumes and gases, including carbon monoxide, hydrogen cyanide, polynuclear aromatic hydrocarbons, aldehydes and organic acids.

Hazardous Polymerization - Will not occur

SECTION VII – HANDLING AND STORAGE

STORAGE

Storage - This product should not be stored where exposure to water could occur or near a source of ignition. Avoid storing in areas of high relative humidity and temperature.

HANDLING

Precautions And Safe Handling - While there are manufacturer precautions for handling MDI resin in its raw form, there are no special handling precautions required for products containing MDI resin in the purchased form of MDF.

Steps To Be Taken If Spilled Or Released - See storage and recycle/disposal section.

Waste Disposal Method - Incinerate or landfill in accordance with local, state, provincial and federal regulations.

RECYCLE/DISPOSAL CONSIDERATIONS

Recycle - This panel product is recyclable.

Disposal - It is the user's responsibility to determine whether your product meets any applicable criteria for waste disposal, whether hazardous or non-hazardous. All recycle/disposal activities must meet applicable federal, provincial, state and local regulations.

ACCIDENTAL RELEASE

Steps To Be Taken If Product Is Spilled Or Released - Should not be applicable for product in purchased form.

Dust/fibers generated from any remanufacturing activity should be vacuumed, etc. and recycled or used for energy recovery, etc. Any disposal must comply with all applicable requirements (see above).

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Respirator - The wearing of NIOSH approved breathing protection for exposure to wood dust/fiber may be necessary during remanufacturing. Respirators are required if air contaminant(s) exceed OSHA PEL.

VENTILATION

Local Exhaust - Necessary to remove dust/fiber in sanding, sawing, drilling, machining, etc. processes.

EYE PROTECTION

Eye Protection - Wear appropriate eye protection or safety goggles if exposure to wood dust is likely.

SECTION IX - REGULATORY INFORMATION

TSCA - This product complies with TSCA inventory requirements.

OSHA - While the panel product does not meet the criteria of 29 CFR 1910.1200 (Hazcom) for wood dust/fiber, when the product is stored and or sanded, sawed, drilled, broken, machined, etc. may be hazardous by definition and trigger Hazcom requirements. It is the responsibility of the purchaser and subsequent users/remanufactures to determine applicability.

WHMIS - This product is not considered a controlled product.

DOT (Department of Transportation) - The user should comply with all applicable DOT requirements, Federal, Provincial, State, Local regulations and labels.

SARA/CERCLA - This product does not contain chemical(s) in concentrations that should require reporting under SARA 313.

ODS - During the manufacture of this product there is no intended use of listed ozone depleting chemicals as defined in applicable EPA regulations.

IMPORTANT: Pembroke MDF believes the information contained in this SDS to be accurate at the time of preparation and has been compiled using sources believed to be reliable. It is based on available data and is believed to be correct. However, no warranty, merchantability or fitness for use is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, the potential hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control, and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving and using it shall make a determination of the suitability of the material for a particular use. It is the responsibility of the user to comply with all Local, State, Provincial, or Federal regulations concerning use of this product. It is the further responsibility of the buyer to research and understand safe methods of use, storage, handling and disposal of this product.