

Material Safety Data Sheet

# MDF - Particle Board Rubberwood & Eucalyptus

## Product Identification

Medium-density fiberboard and Particle Board

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## Potential airborne releases

Mechanical or manual cutting and product machining processes can generate wood dust.

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## Physical data

% volatile by volume (21°C)	Not applicable
Appearance	White to brown colors conditioned to the selection of wood fibers
Vapor density	Not applicable
Specific gravity (H <sub>2</sub> O=1)	> 0.5
Odor	Varies as per the combination of species and resin
pH	Not applicable
Boiling point	Not applicable
Melting point	Not applicable
Pressure steam	Not applicable
Solubility in water (% by weight)	< 3.0
Evaporation rate (butyl acetate = 1)	Not applicable
Formaldehyde emission	CARB ATCM 93120 EPA Title VI

## Fire and explosion data

Flash point	Not applicable
Autoignition temperature	205°C - 260°C
Limits of explosives in the air	See the following "Hazards"
Special fire fighting procedures	Not applicable
Hazards	Sawing, sanding, and machining can produce wood dust explosion risk when in contact with electric spark. A concentration of 40 grams per cubic meter of air is often used as a limit.

## Reactivity data

Conditions contributing to	
Instability	Stable under normal conditions
Incompatibility	Avoid contact with oxidizing agents. Avoid flame. Product may ignite at a temperature > 205°C
Hazardous polymerization	
Products	Thermal and / or oxidative thermal decomposition can produce toxic fumes and gases, including carbon monoxide, aldehydes, organic acids, and polynuclear aromatic compounds.
Hazardous polymerization	Not applicable

## Health effects information

Exposure limits	
Eye contact	Wood dust can cause irritation
Skin contact	Allergy in people sensitive to the product; unlikely to happen.
Wood dust	May cause dryness, irritation and nasal obstruction. Coughing, sneezing and wheezing. Sinusitis and prolonged colds have been observed.
	IARC - Group 1 - Carcinogenic to humans. This classification is based primarily on studies showing an association between occupational exposure to wood dust and adenocarcinoma of the nasal cavity and paranasal sinuses. The IARC did not find sufficient association between occupational exposure to wood dust and cancer of the pharynx, lung, lymphatic system, stomach, colon or rectum.

## Precautions, safe handling

Wood dust	Avoid dusty conditions and provide good ventilation.
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## Generally applicable control measures

Ventilation	Provide adequate ventilation and exhaust system to achieve the exposure limits.
Personal protective equipment	Wear safety glasses when handling the product. Wear a mask when exceeded exposure limits. Other protective equipment such as gloves and suitable clothing may be required, depending on the powder conditions.

## Emergency and first aid procedures

Eyes	Rinse with water. Move away to a place with enough ventilation and fresh air. If irritation persists, seek medical attention.
Skin	Wash the affected area with soap and water. Find a physician if irritation persists or hurt;
Inhalation	Zoom to take fresh air. Call a physician if irritation persists, if there is enough cough or if there is difficulty breathing.
Ingestion	Not applicable

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Designed by: Wood Panels and Resin Development Manager.