



## Materials Safety Data Sheet

PRODUCTS: Phenol - Formadehyde Bonded Plywood Products

### SECTION: 1

Product Name	:	Softwood Plywood & Wood Dust (Untreated)
Trade Name	:	Softwood Plywood & Wood Dust (Untreated)
Manufacturer/Distributor	:	Eagon Lautaro S.A. Ruta 5 Sur KM 644 Casilla 220, Lautaro, Chile
Phone Number	:	56-45-207800
Description	:	Plywood panel product contains bonded layers of softwood. Particles are generated by any manual or mechanical cutting or abrasion process performed on wood.

### SECTION: 2

#### COMPOSITION, INFORMATION ON INGREDIENTS

	PERCENTAGE	OSHA PEL	OSHA STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
SOFTWOOD DUST	87-98%	10mg/m3	None	5mg/m3	10mg/m3
FORMALDEHYDE	Trace<0.1%	0.75ppm	2ppm	N/A	0.3ppm (c)
Note:	OSHA- Occupational Safety & Health Administration ACGIH- American Conference of Governmental Industrial Hygienists PEL- Permissible Exposure Limit TWA- Time Weighted Average TLV - Threshold Limit Value - recommended level STEL - Short Term Exposure Limit (15- Minutes) C - Ceiling Limit, never to be exceeded				

SECTION: 3

TOXICOLOGY and HEALTH INFORMATION

WOOD DUST

Wood dust may cause nasal dryness, irritation, and obstruction. Coughing, wheezing, and sneezing, sinusitis and prolonged colds have also been reported.

Depending on species, may cause respiratory sensitization and/or irritation. Wood dust is not considered a potential cancer hazard by OSHA. The National Toxicology Program (NTP) and the International Agency for Research on Cancer (IARC) classifies 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 paranasal sinuses associated with exposure to wood dust. IARC did not find sufficient evidence to associate cancers of the oropharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or tectum with exposure to wood dust. These plywood products may release very small quantities of formaldehyde in a gaseous state. Formaldehyde may be irritating to the eyes, nose, throat and skin.

SECTION: 4

HAZARD IDENTIFICATION

INHALATION:

May cause nasal dryness, irritation, coughing, and sinusitis. Repeated exposure (even below 5/g/m<sup>3</sup>) to certain wood dusts can produce allergic responses individuals.

SKIN CONTACT:

May evoke allergic contact dermatitis in sensitized individuals.

SKIN ABSORPTION:

Not Know to occur.

EYE CONTACT:

Dust may cause tempory irritation, mechanical irritation, or a burning sensation to the eyes.

INGESTION:

Not applicable.

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FIRE and EXPLOSION HAZARD

FLASH POINT:

Not applicable.

EXTINGUISHING MEDIA:

Water, carbon dioxide, sand, chemical extinguisher

AUTO IGNITION TEMPERATURE:

Dependent upon duration of exposure to heat source and other variables.

400 - 500 F (204 - 260 ° C)

FLAMMABLE LIMITS IN AIR (% BY VOLUME):

An airborne concentration of 40 grams of dust per cubic meter of air is often used as the lowest explosion limit ( LEL ) for wood dust.

UNUSUAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus ( SCBA ) recommended when fighting fire.

Burn like others woods products, although it is dangerous and may burn hotter. Partially burned dust is especially hazardous if dispersed into the air. Remove burned or wet dust to an open area after fire is extinguished. Wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air.

SECTION: 6

EMERGENCY FIRST AID

INHALATION:

Remove from area to fresh air. Seek medical attention if persistent irritation, severe coughing or breathing difficulty occurs.

EYE CONTACT:

Immediately flush eyes with copious amounts of water for at least 15 minute. Assure adequate flushing of the eyes by separating the eyelids with fingers. Seek medical care if irritation persists.

SKIN CONTACT:

Wood dust of certain species may elicit allergic dermatitis in sensitized individuals and can cause mechanical irritation. Wash affected areas soap and water. Seek medical attention if rash, irritation or dermatitis persists.

SECTION: 7

ACCIDENTAL RELEASE MEASURES

**STEPS TAKEN in CASE MATERIAL is RELEASED or SPILLED**

Not applicable for products in purchased form. Sweep or vacuum dust for recovery or disposal. Wood dust cleanup and disposal activities should be accomplished in a manner to minimize creation of airborne dust. Provide good ventilation where dust conditions may occur. Please recovered wood dust in a container for proper disposal

SECTION: 8

HANDLING and STORAGE

**STORAGE PRECAUTIONS:**

No special storage precautions.

**OTHER PRECAUTIONS:**

Handling can result in wood splinters. Avoid dusty conditions and provide good ventilation. Avoid eye contact. Avoid repeated or prolonged contact with skin. Careful bathing and clean clothes are indicated after exposure. Avoid prolonged or repeated breathing of wood dust in the air. Avoid contact with oxidizing agents and drying oils. Avoid open flame.

SECTION: 9

EXPOSURE CONTROLS and PERSONAL PROTECTION

**PERSONAL PROTECTION EQUIPMENT**

**RESPIRATORY PROTECTION:**

Wear NIOSH-approved respirator when the allowable OSHA exposure limits to wood dust may be exceeded.

**EYE PROTECTION:**

Recommended goggles or safety glasses as conditions indicate.

**SKIN PROTECTION:**

Other protective equipment, such as gloves and outer garments, may be needed to reduce skin contact. Wash affected area of the body after contact with dust.

**OTHER CLOTHING and EQUIPMENT:**

Not applicable.

**ENGINEERING CONTROLS**

**VENTILATION REQUIREMENTS:**

Provide local exhaust, as necessary, to meet OSHA requirements for allowable exposure limits.

**OTHER TYPES OF ENGINEERING CONTROLS:**

Due to the explosive potential of wood dust when suspended in air, precautions should be taken to prevent sparks or other ignition sources in ventilation equipment.

SECTION: 10

PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: Not applicable	SOLUBILITY IN WATER: Not applicable
VAPOR PRESSURE (MM Hg): Not applicable	Ph: Not applicable
% VOLATILES by Volume (@70 F (21 C)):0	EVAPORATION RATE: Not applicable
VAPOR DENSITY (AIR=1): Not applicable	SPEC GRAVITY (H2O=1): 0.40-0.80 variable depends on wood species and moisture.

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STABILITY and REACTIVITY

<p>CONDITION CONTRIBUTING TO INSTABILITY:</p> <p>Stable under normal conditions. Wood dust generated from sawing, sanding or machining the product is extremely combustible. Keep in cool, dry place away from ignition sources.</p> <p>INCOMPATIBILITY (MATERIALS TO AVOID):</p> <p>Avoid contact with oxidizing agents and drying oils. Avoid open flame. Product may ignite at temperature in excess of 400.</p> <p>CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:</p> <p>Will not occur.</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS:</p> <p>Carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.</p>
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SECTION: 12

ECOLOGICAL INFORMATION

Not applicable
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SECTION: 13

WASTE DISPOSAL

This product is not considered hazardous waste under Federal Hazardous Waste regulations 40 CFR 261. State and local requirements for waste disposal may be different from federal regulations. Incinerate or landfill in accordance with local, state, and federal regulations.

SECTION: 14

TRANSPORTATION INFORMATION

Not regulated as a hazardous material by the U.S. Department of Transportation.

SECTION: 15

REGULATORY INFORMATION

It is user's responsibility to determine what regulatory information is relevant dependant upon the usage of this product. California's State Drinking Water and Toxic Enforcement Act of 1986 (Initiative Measure, Proposition 65). The 22 California Code of Regulations requires that a clear and reasonable warning be given before exposure to chemicals listed by the State as causing cancer or reproductive toxicity. Formaldehyde and Wood Dust (as of 12/02 because of the NTP listing) are on California's list of chemicals known to the State to cause cancer.

SECTION: 16

OTHER INFORMATION

HM/S HAZARD RATING ( 0- Insignificant, 1- Slight, 2- Moderate, 3- High, 4- Extreme)

Health - 1\* ( potential choric health effects from overexposure)

Flammability- 0.

Reactivity- 0 Personal Protective Equipment- Depended on use conditions see section 9.

DISCLAIMER

Eagon Lautaro S.A., believes the information contained in this MSDS to be occurated at the time of preparation and has been compiled using sources believed to be reliable. However, Eagon Lautaro S.A., makes no warranty, either expressed or limited, concerning the accuracy or completeness of the information presented. It is the responsibility of the buyer to research and understand safe methods of storing, handling, and disposal of this product.