



MATERIAL SAFETY DATA SHEET



PHENOL - FORMALDEHYDE BONDED PLYWOOD PRODUCTS

Products: Softwood Plywood

HAZARDOUS INGREDIENTS

Chemical or Common Name	Percent	Exposure Limits
Softwood Wood Dust	99	OSHA PEL-TWA 5 mg/m3 ACGIH TLV-TWA 5 mg/m3 ACGIH TLV-STEL 10 mg/m3
Formaldehyde Ceiling	0.02	OSHA PEL-TWA 0.75 ppm OSHA PEL-STEL 2 ppm ACGIH TLV-TWA 0.3 ppm

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

STEL = Short-Term Exposure Limit

PHYSICAL DATA

Boiling Point (°F) N/A
 Vapor Pressure (MMHg) N/A
 Vapor Density (Air =1) N/A
 Specific Gravity (H₂O = 1) 0.53
 Evaporation Rate N/A
 Solubility in Water 0.1%
 % Volatiles By Volume N/A

Unusual Fire and Explosion Hazards:
 Wood dust from sawing, sanding, machining can be explosive depending on particle size and moisture content. Airborne concentrations of 40 grams per cubic meter is often used as the LEL for wood dusts.

FIRE AND EXPLOSION DATA

Flash Point N/A
 Flammable Limits
 LEL N/A
 UEL N/A
 Extinguishing Media Water, Carbon Dioxide, Sand
 Auto Ignition Temp 400-500 °F

REACTIVITY DATA

Stability
 () Unstable (x) Stable
 Conditions to Avoid N/A
 Incompatibility (Materials to Avoid)
 Avoid contact whit oxidizing agents.
 Avoid open flame.
 Product may ignite at temperatures in excess of 400 °F.



MATERIAL SAFETY DATA SHEET



HEALTH HAZARD DATA

DUST:

Wood dust can irritate eyes and breathing passages. Some wood species may cause skin or respiratory irritation. Contact by susceptible persons may cause allergies. Some scientists have noted instances where long-term hardwood dust exposure may be associated with nasal cancer.

FORMALDEHYDE:

These products release very low amounts of formaldehyde. Formaldehyde may be irritating to the eyes, nose, throat and skin. It may aggravate existing respiratory problems and cause allergies to susceptible persons. Formaldehyde is listed by IARC, NTP and OSHA as Probable Human Carcinogen.

ROUTES OF ENTRY:

Inhalation. Skin contact with wood may evoke allergic contact dermatitis.

SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION:

None usually required if dust and formaldehyde concentrations are within acceptable limits. Approved dust/formaldehyde respiratory and goggles are recommended when the allowable exposure limits may be exceeded.

PROTECTIVE GLOVES:

Not required. Cloth, canvas or leather gloves are recommended.

EYE PROTECTION:

Goggles or safety glasses are recommended when machining product.

LOCAL EXHAUST:

Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL):

Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

SPECIAL:

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

DISCLAIMER:

This MSDS is intended to be used solely for safety education and not for use as specifications or warranties. The information in this MSDS is provided without any representations or warranties regarding the accuracy or correctness. Since the handling, storage and use are beyond our control, Paneles Arauco S.A. assumes no responsibility and disclaims liability for any loss, damage or expense arising therefrom.