



# MATERIAL SAFETY DATA SHEET

**Paneles Arauco S.A.**

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## PLYWOOD PRODUCTS BONDED WITH PHENOL - FORMALDEHYDE

Products: Softwood Plywood

### HAZARDOUS INGREDIENTS

Chemical or Common Name	Percent	Exposure Limits
Gaseous Formaldehyde	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 (H<sub>2</sub>O = 1).....0.53  
Evaporation Rate .....N/A  
Solubility in Water ..... N/A  
% Volatiles By Volume.....N/A

### Unusual Fire and Explosion Hazards :

Board dust is strongly explosive therefore there is hazard on the direct contact of dust with ignition sources and in closed areas.

### FIRE AND EXPLOSION DATA

Flash Point .....N/A  
Flammable Limits  
LEL .....N/A  
UEL.....N/A  
Extinguishing Media.....Water, Carbon  
.....Dioxide, Sand  
Ignition Temp.....400-500 °F ( Direct Flame )

### REACTIVITY DATA

Stability ( ) Unstable ( x ) Stable  
Conditions to Avoid .....N/A  
Incompatibility (Materials to Avoid) :

- ◆ Avoid direct flame.
- ◆ Product may ignite at temperatures in excess of 400 °F.



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## 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.

### **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 when machining product.

### **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:**

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