
PHENOL – FORMALDEHYDE BONDED PLYWOOD PRODUCTS

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 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 has been shown to cause cancer in certain laboratory animals at extreme concentrations (14ppm), far above those normally found in the workplace with this product.

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 Westlam Industries Ltd. assumes no responsibility and disclaims liability for any loss, damage or expense arising therefrom.

SPECIAL PROTECTION DATA

- ◆ **Respiratory Protection:**
None usually required if dust and formaldehyde concentrations are within acceptable limits. Approved dust/formaldehyde respirator 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:**
Self-contained breathing apparatus (SCBA) recommended when fighting fire.

**WESTLAM INDUSTRIES LTD.**

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MATERIAL SAFETY DATA SHEET

Sep-08

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**Products: Softwood Plywood, Sanded Softwood Plywood,
Medium Density Overlay
and High Density Overlay**

HAZARDOUS INGREDIENTS

Chemical or Common Name	Percent	Exposure Limits
Softwood Plywood	88-94	OSHA PEL-TWA 5 mg/m ³
Sanded Softwood Plywood		ACGIH TLV-TWA 6mg/m ³ (a)
MDO		ACGIH TLV-STEL 10 mg/m ³ (b)
HDO		
Formaldehyde	< 1	OSHA PEL-TWA 1 ppm (c) OSHA PEL-STEL 2 ppm (c) ACGIH TLV-TWA 1 ppm (c)
Inert Filler - Wheat	2-4	OSHA PEL-TWA none ACGIH TLV-TWA none
Water-Based Acrylic Latex	< 1	OSHA PEL-TWA none ACGIH TLV-TWA 1 mg/m ³

- (a) Softwood total dust 8 hour TWA.
 (b) Softwood total dust 15 minute STEL
 (c) As free formaldehyde

NOTE:

OSHA =Occupational Safety and 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 ₂ O = 1)	0.40-0.80
Evaporation Rate	N/A
Solubility in Water	.1%
% Volatiles by Volume	N/A

FIRE AND EXPLOSION DATA

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

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.

REACTIVITY DATA

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



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