

# Westlam Industries

January 2018

## Material Safety Data Sheet

Page 1 of 2

19755-98th Avenue Langley, BC Canada, V1M 2X5 - Tel: 604 888 2894 Email: info@westlam.com

### Phenol-Formaldehyde Bonded Plywood Products

Softwood Plywood, Sanded Softwood Plywood

Medium Density Overlay (MDO) and High Density Overlay (HDO)

#### Physical Data

Boiling Point (°F)	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity	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 Media	Water, Sand, Carbon Dioxide
Auto Ignition Temp.	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 Lower Explosive Limit (LEL) for wood dusts.	

#### Reactivity Data

Stability	<input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable
Conditions to Avoid	N/A
Incompatibility (Materials to Avoid):	
Avoid contact with oxidizing agents. Avoid Open Flame	
Important Information:	
Product may ignite at temperatures in excess of 400 °F.	

#### Hazardous Ingredients

Chemical or Common Name	%	Exposure Limits	
Softwood Plywood	88-94	OSHA PEL-TWA	5 mg/m3
Sanded Softwood Plywood		ACGIH TLV-TWA	6 mg/m3 (a)
Medium Density Overlay		ACGIH TLV-STEL	10 mg/m3 (b)
High Density Overlay			
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/m3

\* (a) Softwood total dust 8 hour TWA

\* (b) Softwood total dust 15 minute STEL

\* (c) As free formaldehyde

#### Acronyms

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

### Phenol-Formaldehyde Bonded Plywood Products

Softwood Plywood, Sanded Softwood Plywood

Medium Density Overlay (MDO) and High Density Overlay (HDO)

#### 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.

