

Material Safety Data Sheet
**MEDIUM DENSITY OVERLAY
SIGN GRADE**



Plum Creek Northwest Plywood, Inc.
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Website: www.plumcreek.com

SECTION 1: IDENTITY

Common Name (used on label) (Trade Name & Synonyms)	MEDIUM DENSITY OVERLAY(MDO), SIGN GRADE, PAINT GRADE, OVERLAY PLYWOOD,	Cas No.	NONE
Chemical Name	N/A	Chemical Family	N/A
Formula	PRODUCT IS MADE BY COVERING ONE OR BOTH SIDES OF SOFTWOOD PLYWOOD WITH PAPER CONTAINING PHENOL FORMALDEHYDE RESIN AND ADHESIVES.		

SECTION 2: HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	%	Threshold Limit Value (units)
WOOD DUST		5.0 mg/m ³
FORMALDEHYDE	< 0.4 %	0.75 ppm
PHENOL	< 0.7 %	5.0 ppm
METHANOL	< 0.04 %	200 ppm

*Once applied, the overlay becomes inert.

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point		N/A		Specific Gravity (H2O=1)		N/A		Vapor Pressure (mm Hg)		N/A	
Percent Volatile By Volume (%)		N/A		Vapor Density (Air=1)		N/A		Evaporation Rate (_____ = 1)		N/A	
Solubility In Water		N/A		Reactivity in Water		N/A					
Appearance and Odor		PLYWOOD PANEL WITH KRAFT PAPER BROWN APPEARANCE. PAPER ON ONE OR BOTH SIDES.									
Flash Point	N/A	Flammable Limits in Air % by Volume		Lower N/A	Upper N/A	Extinguisher Media	Water,		Auto-Ignition Temperature	400' – 500'F	
Special Fire Fighting Procedures		SATURATE BOARD WITH WATER AND MOVE TO A SECURE OUTSIDE STORAGE LOCATION. AVOID BREATHING SMOKE.									
Unusual Fire and Explosion Hazards		WOOD DUST GENERATED FROM SAWING, SANDING, MACHINING, ETC. MAY CREATE A FIRE AND EXPLOSION HAZARD. AVOID DUST ACCUMULATIONS.									

SECTION 4: PHYSICAL HAZARDS

Stability	Unstable [] Stable [x]	Conditions to Avoid
Incompatibility (Materials to Avoid)	STRONG ACIDS, OXIDIZING AGENTS AND DRYING OILS.	
Hazardous Decomposition Products	CARBON DIOXIDE, CARBON MONOXIDE	
Hazardous Polymerization	May Occur [] Will Not Occur [x]	Conditions to Avoid

SECTION 5: HEALTH HAZARDS

Signs and Symptoms of Exposure	1. Acute Overexposure	WOOD DUST MAY CAUSE EYE AND RESPIRATORY IRRITATION, NASAL DRYNESS, COUGHING, SNEEZING AND WHEEZING AS A RESULT OF INHALATION. FORMALDEHYDE MAY CAUSE TEMPORARY IRRITATION OF SKIN, EYES, OR
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RESPIRATORY SYSTEM.

2. Chronic Overexposure

WOOD DUST MAY CAUSE ALLERGIC DERMATITIS AND RESPIRATORY SENSITIZATION. PROLONGED EXPOSURE TO WOOD DUST HAS BEEN REPORTED BY SOME AGENCIES TO BE ASSOCIATED WITH NASAL CANCER. FORMALDEHYDE MAY CAUSE SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS. FORMALDEHYDE IS CLASSIFIED AS A PROBABLE OR POTENTIAL CARCINOGEN.

Medical Conditions Generally
Aggravated by Exposure

Chemical Listed as
Carcinogen or Potential
Carcinogen

National Toxicology Yes [x]
Program No []

I.A.R.C. Yes [x]
Monographs No []

OSHA Yes [x]
No []

Emergency and First Aid Procedures:

OSHA Permissible
Exposure Limit

FORMALDEHYDE
Methanol
WOOD DUST

0.75 ppm
200 ppm
Total: 15 mg/m3
Respirable: 5 mg/m3

Other Exposure
Limit Used

2.0 ppm STEL FORMALDEHYDE
0.5 ppm ACTION

ACGIH Theshold Limit Value

Formaldehyde 0.3 ppm

Wood Dust 1mg/m3

California Proposition 65 Warning: DRILLING, SAWING, SANDING OR MACHINING WOOD PRODUCTS GENERATES WOOD DUST, A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. AVOID INHALING WOOD DUST OR USE A DUST MASK OR OTHER SAFEGAURDS FOR PERSONAL PROTECTION.

California Proposition 65 Warning: THIS PRODUCT CONTAINS FORMALDEHYDE, A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. USE ADEQUATE VENTILATION AND AVOID INHALING VAPORS AND/OR USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

HMIS RATINGS: HEALTH: 1* FIRE: 0 PHYSICAL HAZARD: 0

SCALE: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE

SECTION 6: EMERGENCY AND FIRST AID PROCEDURES

1. Inhalation	EXPOSURE TO EXCESSIVE CONCENTRATIONS MAY CAUSE UNPLEASANT DEPOSITION IN THE NASAL PASSAGE RESULTING IN DRYNESS, COUGH AND HEADACHE. AVOID BREATHING DUST, REMOVE FROM EXPOSURE.
2. Eyes	MAY MECHANICALLY IRRITATE EYES RESULTING IN REDNESS OR WATERING. FLUSH WITH CLEAN WATER TO REMOVE PARTICLES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
3. Skin	MAY ELICIT CONTACT DERMATITIS IN SENSITIZED INDIVIDUALS OR CAUSE MECHANICAL IRRITATION. IF IRRITATION OR DERMATITIS DEVELOPS, SEEK MEDICAL ATTENTION.
4. Ingestion	N/A

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specific Type)		NIOSH APPROVED DUST RESPIRATOR.					
Ventilation	RECOMMENDED	Local Exhaust	RECOMMENDED	Mechanical (General)	AS NEEDED	Special	Other
Protective Gloves	RECOMMENDED			Eye Protection	SAFETY GLASSES AND/OR GOGGLES		
Other Protective Clothing or Equipment		PROTECTIVE OUTER LAYER MAY BE DESIRABLE IN EXTREMELY DUSTY AREAS.					

SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	STORE IN COOL, DRY PLACE AWAY FROM OPEN FLAME, SPARKS OR HOT SURFACES.
Other Precautions	STORE IN A COOL, DRY PLACE AWAY FROM OPEN FLAME, SPARKS OR HOT SURFACES.
Steps to be Taken in Case Material is Released or Spilled	VACUUM, SWEEP, OR SHOVEL TO MIINIMIZE DUST GENERATION. PROVIDE ADEQUATE VENTILATION.
Waste Disposal Methods	DISPOSE ACCORDING TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ASHES ARE CORROSIVE.

IMPORTANT

The above information is provided in good faith and believed to be correct in accordance with 29 CFR 1910.1200. Individuals receiving this information should make their own determinations as to the suitability of this product for their purposes prior to use.