

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



Plum Creek Northwest Plywood, Inc.  
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Developed Date: June 9, 2008  
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Signature of Person Responsible for Preparation: *Dona C. Johnson*

**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 <sup>3</sup>
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 (H <sub>2</sub> O=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: USE WATER TO THOROUGHLY WET ALL PANEL SURFACES AND TO SATURATE WOOD DUST. REMOVE ANY CHARRED MATERIAL TO AN OPEN SECURE AREA TO ENSURE ALL FIRE IS EXTINGUISHED. EMITS TOXIC FUMES UNDER FIRE CONDITIONS. WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIPMENT INCLUDING SCBA OR OTHER NIOSH APPROVED RESPIRATORY PROTECTION.

Unusual Fire and Explosion Hazards: WOOD DUST GENERATED FROM PANEL SAWING, SANDING, MACHINING, ETC. MAY CREATE A SEVERE FIRE AND EXPLOSION HAZARD. COMBUSTION BY-PRODUCTS INCLUDING CARBON MONOXIDE.

**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**

Threshold Limit Value	5.0 mg/m <sup>3</sup> WOOD DUST; 0.75 PPM FORMALDEHYDE; 5.0 ppm PHENOL; 200 ppm METHANOL		
Signs and Symptoms of Exposure	1. Acute Overexposure	WOOD DUST IS A MECHANICAL IRRITANT TO EYES, NOSE AND THROAT.	
	2. Chronic Overexposure	MAY CAUSE DERMATITIS FOLLOWING PROLONGED CONTACT. PRE-EXISTING RESPIRATORY CONDITIONS	
Medical Conditions Generally Aggravated by Exposure			
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes [ ] No [ ]	I.A.R.C. Yes [x] Monographs No [ ]
OSHA Permissible Exposure Limit	15.0 mg/m <sup>3</sup> PNOG	Other Exposure Limit Used	10.0 mg/m <sup>3</sup> STEL WOOD DUST 0.5 ppm ACTION LEVEL FORMALDEHYDE 2.0 ppm STEL FORMALDEHYDE
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 6: 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.						
H.M.I.S. RATINGS:							
HEALTH 1							
FLAMMABILITY 0							
REACTIVITY 0							

**SECTION 7: 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	STATIC ELECTRICITY MAY BE SUFFICIENT TO IGNITE SUSPENDED WOOD DUST. WOOD DUST IS NOT RECOMMENDED AS AN ABSORBENT MATERIAL. SANDER DUST IS EXTREMELY COMBUSTIBLE.
Steps to be Taken in Case Material is Released or Spilled	VACUUM, SWEEP, OR SHOVEL TO MIINIMIZE DUST GENERATION. PROVIDE ADEQUATE VENTILATION USE NIOSH APPROVED DUST RESPIRATOR.
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.