

**MATERIAL SAFETY DATA SHEET**  
**MEDIUM DENSITY OVERLAID PLYWOOD**

**AINSWORTH ENGINEERED CANADA LP**  
Savona Plywood Division  
P.O. Box 127  
Savona, B.C. V0K 2J0  
Telephone (250)373-5600 Fax: (250)373-5665

**SECTION I: PRODUCT IDENTIFICATION AND USE**

Material Name: MEDIUM DENSITY OVERLAID PLYWOOD  
Trade Names: POURFORM 107, Pourform 101, Struc 1 CFMDO, General Purpose MDO  
Manufacturer: Ainsworth Engineered Canada LP

**SECTION II: INGREDIENTS AND HAZARDS**

Product is made by laminating softwood veneers, phenol formaldehyde adhesives, and resin impregnated thermal setting paper overlays under heat and pressure. The product may release trace amounts of formaldehyde:  $\ll 0.05\%$  for 24 hours on freshly pressed panels, which decreases rapidly with time. Product is also coated with a chemical release agent at the factory, (NOX-CRETE FORM COATING). Hazards occur when remanufacturing; ie. sawing, (wood dust); and from storage in unventilated hot ( $> 100^{\circ}\text{F}$ ) areas.

Wood Dust: ACGIH (1987) TLV's:  
TWA 5 mg/m<sup>3</sup> for softwood, STEL 10 mg/m<sup>3</sup>

Formaldehyde gas: OSHA (1988) TLV's:  
TWA 1.0 ppm; STEL 2.0 pm

**SECTION III: PHYSICAL DATA**

Specific Gravity: Approx. 0.5 (water=1)  
Percent Volatile: Approx. 5% at 220°F  
Solubility in water: None  
Heat of Combustion: 8,000 - 10,000 BTU/lb.  
Odor and Appearance: Woodlike, wooden panels

#### SECTION IV: FIRE AND EXPLOSION DATA

Product being wood based, is combustible.

Means of Extinction: Water spray, carbon dioxide foam, or dry chemical.  
Method determined by surrounding fire.

Flashpoint: Auto-ignition will occur generally above 400°F.

Explosion Data: Sawdust from remanufacturing, if left to accumulate, may create explosive conditions.  
Keep work area clean.

#### SECTION V: REACTIVITY DATA

Chemical Stability: Stable.

Incompatibility with other Substances: Avoid contact with strong oxidizers.

Reactivity: First time exposure to high temperatures and humidity may result in the release of formaldehyde gas. If wood dust is allowed to accumulate during remanufacture, the potential for spontaneous combustion is increased.

Hazardous Decomposition Products: Burning of wood products can produce Carbon Monoxide and other toxic fumes. Decomposition by-products include formaldehyde and aromatic ring compounds.

#### SECTION VI: HEALTH HAZARD DATA

Panel is an inert solid. Effects of over exposure will occur only in hot/damp storage conditions and when remanufacturing.

Irritancy of Product: Sawdust may cause allergic response or asthma may occur. Will cause eye irritation. Formaldehyde is a "suspected" carcinogen. It may cause respiratory and eye irritation.

**SECTION VII: PREVENTIVE MEASURES**

Personal Protective Equipment: When handling panels, gloves and safety boots should be worn. When remanufacturing, safety glasses and dust mask should be worn.

Ventilation: When sawing, proper exhaust required to remove dust.

Leak and Spill Procedures: No special requirements necessary in "as produced" state. Dust control should be implemented in the remanufacturing state.

Waste Disposal: Incineration in suitable, approved incinerators only. Scrap material may be placed in land fills.

Storage Requirements: Product should be stored in dry/cool areas.

Special Shipping Information: None

**SECTION VIII: FIRST AND MEASURES**

Specific Measures: Sawdust: eyes.....flush with water  
inhalation...remove to fresh air  
ingestion.....N/A  
slivers.....remove  
If any irritation persists, consult doctor.

**SECTION IX: PREPARATION DATE OF MSDS**

NOTE: The information supplied in this MSDS is to the best of our knowledge, accurate, and has been compiled from sources believed to be reliable. Ainsworth Engineered Canada LP, makes no warranty of this information or data and assumes no responsibility for its application to the purchaser's intended purposes. If the purchaser alters the product in any way which creates wood dust, then this is the purchaser's responsibility.

Prepared by: Quality Control Department  
Phone Number: (250) 373-5600  
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