



MATERIAL DATA SAFETY SHEET

Product Name: PLYWOOD PRODUCTS BONDED WITH PHENOL-FORMALDEHYDE

1. PRODUCT AND COMPANY IDENTIFICATION

Product type: Hardwood Plywood

Product description: Plywood products bonded with phenol-formaldehyde

2. HAZARDOUS INGREDIENTS

The product may release small quantities of formaldehyde (CAS No. 50-00-0) in gaseous form. Emissions decrease through time as the panel's age. Manual or mechanical cutting or abrasion processes performed on the product can result in generation of wood dust.

3. PHYSICAL DATA

Boiling Point: N/A

Specific Gravity (H₂O=1): <1

Vapour Pressure: N/A

% Volatiles: 0

Melting Point: N/A

Vapour Density: N/A

Solubility in H₂O: < 0.1%

Evaporation Rate: N/A

pH: N/A

Appearance and Odour: Light to dark in colour. Colour and odour are dependent on the wood species.

4. FIRE AND EXPLOSION DATA

Flash Point: N/A

Auto-ignition Temperature: Not available (will depend upon duration of exposure to heat source and other variables)

Explosive Limits in Air: See below under "Unusual Fire and Explosions Hazards"

Extinguishing Media: Water, Carbon Dioxide, Sand

Special Fire Fighting Properties: Use water to wet down wood dust to reduce the likelihood of ignition or dispersion of dust into air. Remove burned or wet dust to open area after fire is extinguished.

Unusual Fire and Explosive Hazards: Sawing, sanding or machining can produce wood dust as a by-product which may present an explosion hazard if a dust cloud contacts an ignition source. An airborne concentration of 40 grams of dust per cubic meter of air is often used as the LEL of wood dust.



7. PRECAUTIONS, SAFE HANDLING

Formaldehyde: Provide adequate ventilation to reduce the possible build up of formaldehyde gas, particularly when high temperatures occur.

Wood dust: Avoid dusty conditions and provide good ventilation. Avoid eye contact. Avoid repeated or prolonged contact with skin. Careful bathing and clean clothes are indicated after exposure. Avoid prolonged or repeated breathing of wood dust in the air. Avoid contact with oxidizing agents and drying oils. Avoid open flames.

8. GENERALLY APPLICABLE CONTROL MEASURES:

Ventilation: Provide adequate general and local exhaust ventilation to keep airborne contaminant concentration levels below OSHA PELs.

Personal Protective Equipment: Wear goggles/safety glasses when manufacturing or machining the product. Wear NIOSH/MSHA approved respirator when the allowable exposure limits may be exceeded. Other protective equipment such as gloves and outer garments may be needed depending on dust conditions.

9. EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with large amounts of water. Remove to fresh air. If irritation persists, get medical attention.

Skin: Wash affected areas with soap and water. Get medical advice if rash or persistent irritation or dermatitis occurs.

Inhalation: Remove to fresh air. Get medical advice if persistent irritation, severe coughing or breathing difficulty occurs.

Spill/Leak Clean up Procedures: Sweep or vacuum spills for recovery or disposal; avoid creating dust conditions. Provide good ventilation where dust conditions may occur. Place recovered wood dust in a container for proper disposal.

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