

HARDEL MUTUAL PLYWOOD CORPORATION

MATERIAL SAFETY DATA SHEET—PLYWOOD PANELS

1. PRODUCT IDENTIFICATION: Plywood Panels.

2. HAZARDOUS INGREDIENTS:

WOOD DUST (from sanding or machining)

% RANGE: 98-99

EXPOSURE LIMITS: ACGIH TLV; TWA - 5.0 mg/m³; STEL (15 min.) -10.0 mg/m³; TWA -1.0 mg/m³ (certain hardwoods such as beech and oak); OSHA PEL: TWA -15.0 mg/m³ (total dust); 5.0 mg/m³ (respirable fraction).

RESIN SOLIDS

% RANGE: 1-2

EXPOSURE LIMITS: ACGIH: 1 ppm TWA; OSHA: 1 ppm TWA

FREE FORMALDEHYDE (CAS 50-00-0)

% RANGE: trace

EXPOSURE LIMITS: OSHA PEL: 0.75 ppm TWA; 2 ppm 15 min STEL

3. PHYSICAL/CHEMICAL CHARACTERISTICS:

Plywood panel products are typically white to brown in color. Specific gravity of the panels is 0.40-0.80 (H₂O = 1).

4. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: NAP; FLAMMABLE LIMITS: LEL—40 mg/m³; UEL—NAP; EXTINGUISHING MEDIA: Water, carbon dioxide, sand; AUTOIGNITION TEMPERATURE: 400°F-500°F; SPECIAL FIRE-FIGHTING PROCEDURES: Use water to wet down wood dust to reduce dusty conditions, then remove to a safe area.

5. REACTIVITY DATA:

STABLE: yes

AVOID: Open flames, sparks, and temperatures above 400 F.

INCOMPATIBILITY: Oxidizing agents.

HAZARDOUS DECOMPOSITION AND BYPRODUCTS: Thermal decomposition products include carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, and polycyclic aromatic hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

6. HEALTH HAZARD DATA:

PRIMARY ROUTES OF EXPOSURE: Inhalation (X), skin (X), ingestion ()

ACUTE AND CHRONIC HEALTH HAZARDS: Signs and symptoms of exposure; emergency and first aid procedures:

EYE CONTACT: Wood dust may cause mechanical irritation. To remove, flush with water. If irritation persists, get medical help.

SKIN CONTACT: Some wood dust may bring on allergic contact dermatitis in sensitized individuals, or hives from mechanical irritation. If rash, irritation or dermatitis persists, get medical help.

INHALATION: Wood dust may cause deposit in the nasal passages, and thus result in dryness of nose, dry cough, and headache. Remove to fresh air. Get medical attention if symptoms persist.

CARCINOGENICITY LISTING: () NTP, Not listed. () IARC, Not listed. () OSHA, Not listed.

AGGRAVATION OF MEDICAL CONDITIONS:

Wood dust may aggravate preexisting respiratory conditions or allergies.

7. PRECAUTIONS FOR SAFE HANDLING AND USE:

Released or Spilled Wood Dust: Wood dust may be vacuumed or shoveled for recovery or disposal. Provide ventilation and avoid creating airborne dust.

Waste Disposal Method: Dispose of in a landfill or incinerate—in accordance with applicable federal, state, and local regulations.

Handling and Storage Precautions: This product will release formaldehyde in amounts below the health hazard level established by OSHA. Avoid open flame, sparks, and creating of dusty conditions. Store in well ventilated and dry place.

Other Precautions: When the established allowable exposure limits may be exceeded, wear a NIOSH or MSHA approved respirator.

8. CONTROL MEASURES:

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: A NIOSH/MSHA approved respirator should be used when the allowable exposure limits may be exceeded.

VENTILATION: Local exhaust, point of operation exhaust and/or mechanical as necessary.

PROTECTIVE GLOVES: Recommended.

EYE PROTECTION: Goggles or safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT: None necessary under normal conditions, however, wear outer layer of clothing in extremely dusty areas.

WORK/HYGIENIC PRACTICES: Follow good hygienic and housekeeping practices especially in areas where excessive accumulation of this combustible material may be created. Minimize blow-down.

9. DISCLAIMER:

The information presented herein was believed by Hardel to be accurate at the time of preparation or compiled from sources believed to be reliable, but it is the responsibility of the user to investigate, verify and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the products.

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