



# MATERIAL DATA SAFETY SHEET

**Product Name:** PLYWOOD PRODUCTS BONDED WITH PHENOL-FORMALDEHYDE

## 1. PRODUCT IDENTIFICATION

**Product type:** Softwood Plywood

**Product description:** Plywood products bonded with phenol-formaldehyde

## 2. HAZARDOUS INGREDIENTS

**Chemical or common name:** Gaseous Formaldehyde

**Contents:** 0,02 ppm

**Chemical Formula:** ( C<sub>6</sub>H<sub>6</sub>O . CH<sub>2</sub>O ) n.xNa

**Exposure Limits:** OSHA PEL -TWA: 0,75 ppm

OSHA PEL -STEL: 2 ppm

ACGIH TLV-TWA: 0,3 ppm

### Note:

OSHA Occupational safety & Health Administration

ACGIH American Conference of Governmental Industrial Hygienists

PEL Permissible Exposure Limit

TWA Time-Weighted Average

TLV Threshold Limit Value

STEL Short-Term Exposure Limit

## 3. PHYSICAL DATA

**Physical state:** Solid

**Boiling Point:** (° F) N/A

**Vapour Pressure:** (MMHg) N/A

**Vapour Density:** (Air=1) N/A

**Specific Gravity:** (H<sub>2</sub>O=1) 0,53

**Evaporation rate:** N/A

**Solubility in Water:** insoluble in water

**% Volatiles by Volume:** N/A

## 4. FIRE AND EXPLOSION DATA

**Flash point:** N/A

**Flammable Limits:** N/A

**Extinguishing Media:** Water, Carbon Dioxide, Sand.

**Ignition Temperature:** 400- 500 ° F (Direct Flame)

**Unusual Fire and Explosion Hazards:** Board dust is strongly explosive therefore there is hazard on the direct contact of dust with ignition sources and in closed areas.

Avoid dust accumulations.



## 5. REACTIVITY DATA

**Stability:** The product is stable

**Incompatibility (materials to avoid):** Avoid direct flame

Product may ignite at temperatures in excess of 400 °F.

## 6. HEALTH HAZARD IDENTIFICATION

**Dust:** Wood dust can irritate eyes and breathing passages. Nasal dryness, coughing, sneezing and wheezing as a result of inhalation.

**Formaldehyde:** These products release very low amounts of formaldehyde.

Formaldehyde may be irritating to the eyes, nose through and skin. It may aggravate existing respiratory problems and cause allergies in certain susceptible persons.

Formaldehyde is listed by IARC , NTP and OSHA as Probable Human Carcinogen.

**Routes of entry:** Irritation. Skin contact with wood may evoke allergic contact dermatitis.

## 7. FIRST AID MEASURES

### Emergency and First Aid Procedure:

1. **Inhalation:** Gaseous formaldehyde may cause temporary irritation to eyes , nose and throat. Wood dust may cause respiratory sensitization and/or irritation. If inhaled, remove to fresh air. Get medical advice if persistent irritation, severe coughing or breathing difficulty occurs.
2. **Skin contact:** Both formaldehyde and various species of wood may cause allergic contact dermatitis in sensitized individual. In case of contact, flush skin with plenty of water for at least 15 minute. Remove contaminated clothing and footwear. Get medical attention if rash or persistent irritation or dermatitis occurs. Wash clothing before reuse.
3. **Eye Contact:** Gaseous formaldehyde may cause temporary irritation or a burning sensation. In case of contact immediately flush eyes with plenty of water for al least 15 minute, holding lids apart to ensure flushing of each entire eye. Get medical attention immediately.

## 8. SPECIAL PROTECTION DATA

**Respiratory protection:** None usually required if dust and formaldehyde concentrations are within acceptable limits. Approved dust/formaldehyde respiratory protector and goggles are recommended when the allowable exposure limits may be exceeded.

**Protective Gloves:** Not required. Cloth, canvas, or leather gloves are recommended.

**Eye protection:** Goggles or safety glasses are recommended when machining products.

**Local exhaust:** Provide local exhaust when machining products.

**Mechanical (General):** Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

**Special:** Special-contained breathing apparatus (SCBA) recommended when fighting fire.



## **9. ACCIDENTAL RELEASE MEASURE**

### **SPILL/LEAK PROCEDURES**

Material released or spilled: Vacuum, sweep or shovel to minimize dust generation. Provide adequate ventilation.

Waste disposal methods: Recovered wood dust in container for proper disposal.

## **10. HANDLING AND STORAGE**

Handling advice: Avoid skin and eye contact. Avoid breathing dust.

Storage advice: Store in a cool, dry and well ventilated place way from open flame & sparks.

## **11. DISPOSAL CONSIDERATION**

Waste information: Refer to local regulations. Normally suitable for disposal at approved land waste site

### **DISCLAIMER:**

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