

CMPC

MADERAS

MATERIAL SAFETY DATA SHEET

CMPC MADERAS S.A PLANTA PANELES
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PLYWOOD PRODUCTS BONDED WITH PHENOL - FORMALDEHYDE

PRODUCTS: SOFTWOOD PLYWOOD

-----HAZARDOUS INGREDIENTS -----

| CHEMICAL OR COMMON NAME | PANELES CMPC AVERAGE | EXPOSURE LIMITS |
|-------------------------|-------------------------|--|
| GASEOUS FORMALDEHYDE | 0.01 PPM | OSHA PEL-TWA: 0,75 PPM OSHA PEL-STEL: 2,00 PPM ACGIH TLV-TWA: 0,30 PPM EN 717-1: 0,10 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.

EN 717-1:
DETERMINATION OF FORMALDEHYDE RELEASE FROM PLYWOOD BOARD SEGMENTS BY CHAMBER
METHOD.

-----PHYSICAL DATA -----

BOILING POINT (DEG. F): N/A

VAPOR PRESSURE (MMHg): N/A

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H2O = 1): 0.53

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: N/A

% VOLATILES BY VOLUME: N/A

-----FIRE AND EXPLOSION DATA -----

FLASH POINT: N/A

FLAMMABLE LIMITS:

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, SAND

IGNITION TEMP: 400-500 DEG. F (DIRECT FLAME)

NOTE:

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.

-----REACTIVITY DATA -----

STABILITY:

() UNSTABLE

(X) STABLE

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID DIRECT FLAME.

PRODUCT MAY IGNITE AT TEMPERATURES IN EXCESS OF 400 DEG. F.

-----HEALTH HAZARD DATA -----

DUST:

WOOD DUST CAN IRRITATE EYES AND BREATHING PASSAGES. SOME WOOD SPECIES MAY CAUSE SKIN OR RESPIRATORY IRRITATION. CONTACT BY SUSCEPTIBLE PERSONS MAY CAUSE ALLERGIES.

FORMALDEHYDE:

THESE PRODUCTS RELEASE VERY LOW AMOUNTS OF FORMALDEHYDE. FORMALDEHYDE MAY BE IRRITATING TO THE EYES, NOSE, THROAT AND SKIN. IT MAY AGGRAVATE EXISTING RESPIRATORY PROBLEMS AND CAUSE ALLERGIES TO SUSCEPTIBLE PERSONS.

FORMALDEHYDE IS LISTED BY IARC, NTP AND OSHA AS PROBABLE HUMAN CARCINOGEN.

ROUTES OF ENTRY:

INHALATION. SKIN CONTACT WITH WOOD MAY EVOKE ALLERGIC CONTACT DERMATITIS.

-----SPECIAL PROTECTION DATA -----

RESPIRATORY PROTECTION:

NONE USUALLY REQUIRED IF DUST AND FORMALDEHYDE CONCENTRATIONS ARE WITHIN ACCEPTABLE LIMITS. APPROVED DUST/FORMALDEHYDE RESPIRATORY 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 PRODUCT.

LOCAL EXHAUST: PROVIDE LOCAL EXHAUST WHEN MACHINING PRODUCT.

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.

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