



Custom Work Deserves a Custom Bond

MSDS: PPR (Powdered Plastic Resin)

Read and understand this before using or handling product.

For emergency purposes: CP Industries (Chemtrec four letter ID: PLOT)

Chemtrec Emergency phone: 800-424-9300

Chemical description: UF Resin Powder

General product use: General purpose wood adhesive

For product information or purchasing:

CHEMICAL HAZARD RATING

Health=1 (moderate)

Fire=1 (least)

Reactivity=0 (least)

Section One--Hazardous Ingredients

Chemical Name

CAS Number

Formaldehyde

50-00-0

- ACGIH TLV: .3 ppm (.37 mg/m³) ceiling
- OSHA PEL: .75 ppm (.9 mg/m³) TWA; 2 ppm (2.5mg/m³) 15 min STEL
- NIOSH Document Number 77-126

Potential Cancer Hazard

Rats chronically exposed to 14 ppm formaldehyde contracted nasal cancers. Based on animal data and limited epidemiological evidence, NTP and IARC have listed formaldehyde as a probable human carcinogen. OSHA regulates formaldehyde as a potential human carcinogen.

May cause allergic skin reaction. Some reports suggest that formaldehyde may cause respiratory sensitization, such as asthma, and that pre-existing respiratory and skin disorders may be aggravated by exposure.

OSHA has identified 0.5 ppm as the "Action Level"

29CFR 1910.1048. Please refer to the OSHA standard for guidance applicable to your specific operations.

Wood Flour

OSHA 1989 PEL remanded, but in effect in some states

May cause allergic skin reaction. May cause allergic respiratory reaction.

ACGIH TLV: TWA 5 mg/m³; STEL 10 mg/m³ (softwood)

OSHA PEL: TWA 15 mg/m³ (total dust); 5 mg/m³ (respirable)

Remanded PEL: TWA 5mg/m³ TWA; 10mg/m³ STEL (all soft and hardwoods)

Other: ACGIH TLV: TWA 1 mg/m³ (certain hardwoods)



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Section Two--Physical Data

- Appearance and odor: Tan dry powder with little or no odor
- Storage life: 1-1/2 years @ 70F
- Boiling Point: 100C(212F)
- Flash Point: not applicable
- Autoignition Temperature: Not applicable
- Lower explosion limit: Not applicable
- Upper Explosion Limit: Not applicable
- Free Formaldehyde Content <0.7%
- 49CFR 173.140 Class 9 RQ Formaldehyde

Section Three--Immediate Health Hazards

- **Skin absorption:** No hazards known.
- **Ingestion:** May be harmful if swallowed.
- **Inhalation:** Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat and lungs.
- **Skin:** May cause irritation on prolonged or repeated contact.
- **Eyes:** May cause irritation on prolonged or repeated contact.

Section Four--Emergency and First Aid procedures

- **Ingestion:** If accidentally swallowed dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.
- **Inhalation:** Remove to fresh air.
- **Skin contact:** In case of irritation, flush with water.
- **Eye contact:** Immediately flush eyes with plenty of water. Call a physician if irritation persists.

Section Five--Fire and Explosion Hazards

Will burn. Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastic Industries," if this material is to be reduced to or collected as a powder. In case of fire, use water spray, dry chemical, "alcohol" foam or CO₂. Use water to keep fire-exposed containers cool.



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Section Six--Safe Handling and Personal Protection

- **Personal protection**

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA 29 CFR 1910.134 or other applicable standards or guidelines.

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

- **Safe Handling**

Inhalation: Avoid prolonged or repeated breathing of vapor.

Skin: Avoid prolonged or repeated contact with skin.

Eyes: Avoid prolonged or repeated contact with eyes.

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling.

Section Seven--Spill or Leak and Disposal Procedures

- **Spill or leak**

Large quantities: Enclose with diking material to prevent seepage into natural bodies of water, then consult Custom-Pak Adhesives.

Small quantities: Soak up with absorbent material and remove to chemical disposal area.

- **Disposal**

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.

Section Eight--Storage

- Keep from freezing.
- Do not store near strong oxidizing chemicals.
- Store in a tightly closed container.

Section Nine--Transportation

Refer to bill of lading for proper DOT description.



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Section Ten--Reactivity Data

- Normally stable as defined in NFPA 704-12(4-3.1).

In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.

Hazardous polymerization will not occur.

Decomposition products may include:

CO, CO₂, aldehydes (including formaldehyde), hydrogen cyanide, particular matter and other organic compounds.

Section Eleven--Regulatory and other information

The OSHA Hazard Communication Standard 29 CFR 1910.1200 requires that the information contained on these sheets be made available to your workers. Instruct your workers to handle this product properly.

SARA TITLE III SECTION 313 AND 40 CFR PART 372 TOXIC CHEMICAL NOTIFICATION SHEET

PPR (Powdered Plastic Resin)

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

<u>CAS Registry Number</u>	<u>Chemical Name</u>	<u>Pct. by Weight</u>
50-00-0	Formaldehyde	0.64

This Toxic Chemical Notification Sheet must not be detached from the MSDS. Any copying and redistribution of the MSDS shall include copying and redistribution of this notification sheet attached to copies of the MSDS subsequently redistributed.