



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

MATERIAL SAFETY DATA SHEET :- M F RESIN

HAZARDOUS COMPONENTS

Formaldehyde, CAS No. 50-00-0, 0.5 – 1.5% by weight as free formaldehyde.
Exposure Limits: OSHA; 0.75 ppm 8 hour TWA, 2.0 ppm STEL. ACGIH; 0.3 ppm Ceiling. Toxicity: Skn-rbt LD₅₀ 270 mg/kg; oral-rat LD₅₀ 100 mg/kg; inh-rat LC 50 200 mg/m³/4h

Warning: Formaldehyde is classified as an IARC Group I Human carcinogen and a potential human carcinogen by NTP and OSHA. It is irritating and potentially harmful to the eyes, skin, and respiratory system and may cause skin allergies to sensitive individuals.

Melamine, CAS No. 108-78- 1, 0.5 – 1.5% by weight Exposure limits: None listed

Toxicity: Skn-rbt LD₅₀: >3000 mg/kg; oral-rat LD₅₀: 3161 mg/kg
Moderately toxic by ingestion and intraperitoneal routes. An eye, skin, and mucous membrane irritant. Causes dermatitis in humans. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Experimental reproductive effects. Mutation data reported.

Nuisance Dust: Exposure limits OSHA / ACGIH 10mg/m³

EMERGENCY OVERVIEW

White powder with faint formaldehyde odor. May form explosive dust-air mixtures. May emit hydrogen cyanide when burned. May cause irritant dermatitis to skin. Can cause severe burns to eyes. Do not store near strong acids or alkalies. Store below 68°F (20°C) auto combustion possible at elevated temperatures.

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HAZARDS IDENTIFICATION

May form explosive dust-air mixtures. Exposure Effects

Eyes: Dust will cause eye irritation.

Inhalation: may cause mild irritation to mucous membranes, upper respiratory tract and lungs. **Ingestion:** Irritation of the gastro-intestinal tract; stomach pain.

Skin: Can cause skin irritation. Prolonged or repeated contact may cause dermatitis or allergic sensitization.

FIRST AID

Treat as an emergency - never give anything to an unconscious person.

Eyes: irrigate with a gentle stream of water, for at least fifteen minutes. Secure medical attention.

Inhalation: remove patient to fresh air, keep warm and quiet. Secure medical attention.

Regd Off: - Plot no 24 Block no .5, 1st floor, Behind Aurora cinema , opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019

Administration /correspondence Office :- Plot No. 319,Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019 Tel :- +91 22 24148378 / 24146390

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Ingestion: do NOT induce vomiting. Wash mouth. If conscious administer 8 oz (240 ml) of milk or water. Secure medical attention immediately. If vomiting occurs, administer fluids above again. Contact physician. If unconscious or in convulsions, secure transportation to a hospital immediately.

Skin: remove contaminated clothing, flush contaminated skin and wash with mild soap and water. If irritation persists, obtain medical attention.

FIRE FIGHTING

Fire Fighting Procedure: Fine dust clouds may form explosive mixtures with air. Use water directly on bags. If fumes persist, cut open bags, spread material and spray with water. Keep product out of sewers and public waters.

Special equipment required: full protective clothing and NIOSH or National Standard CAN/CSA 94.4 - 93 approved self-contained breathing apparatus.

Hazardous combustion products: may be oxides of carbon, nitrogen; formaldehyde, and hydrogen cyanide.

ACCIDENTAL RELEASE PROCEDURES

Collect resin waste by vacuum or use a sweeping compound to avoid generating dust. Place material in a clean, dry, labeled container and cover. Flush area with water. Dispose of collected material and wash water in compliance with all Federal, Provincial, State and local regulations.

HANDLING AND STORAGE

Avoid the creation of dust when handling, and avoid all potential sources of ignition (spark or flame). Practice good housekeeping and avoid spills and releases. May form explosive dust-air mixtures. Store below 68°F (20°C) in cool, dry, well ventilated areas out of direct sunlight. Auto combustion possible at elevated temperatures. Auto combustion may take two weeks to detect. Avoid storing material in a compact fashion and for prolonged periods. Monitor resin temperature inside the bags regularly. Do not store near strong acids. Avoid skin and eye contact. Eliminate sources of ignition from area.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory protection: exposure should be minimized by engineering or administrative controls so as to prevent overexposure. In the absence of suitable controls and/or if overexposure may occur, wear a NIOSH/MSHA or National Standard CAN/CSA 94.4 - 93 approved respirator suitable for formaldehyde and dust.

Eyes: chemical safety goggles are recommended.

Skin: Chemical resistant gloves are recommended. Avoid repeated or prolonged skin contact. Wash hands and face with soap and water prior to eating or drinking.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White	Odor: faint Formaldehyde	Physical State: Powder/solid
pH: 9.2 – 9.7	Vapor Pressure: Not applicable	Vapor Density: Not available
Boiling Point: Not applicable	Freezing Point: Not applicable	Specific Gravity: Not available
Odor Threshold: Not available	Volatile Wt. %: 2 - 5%	
Evaporation Rate: Not applicable	Coefficient of oil/water distr.: Not applicable	Flash Point: Not applicable

STABILITY AND REACTIVITY

Storage at elevated temperature or in compacted fashion may result in auto-ignition

TRANSPORTATION INFORMATION

Canada	USA
Not TDG Regulated	< 6,666 lbs.: Not DOT Regulated
	≥ 6,666 lbs.: RQ, Environmentally Hazardous Substance, Solid, N.O.S., Class 9, NA3077, PG III, (Formaldehyde)

REGULATORY INFORMATION SARA Title III

Section 304 emergency notification substances contained: formaldehyde (RQ 100 pounds). Section 311/312 hazard categories: acute hazard, chronic hazard.

Section 313 emissions reporting: formaldehyde (see **HAZARDOUS COMPONENTS** section).

Canadian WHMIS Classification: D2A, D2B WHMIS Label Code: 109 Prepared by Arclin, HSE Group,

Telephone: 905-712-0900

DISCLAIMER

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