



I – Identification of the Substance and of the Company

SUPPLIER: RMO, Inc. 650 W. Colfax Ave. Denver, CO 80204 303-592-8200	Trade Name and Synonyms – RMBond® LC Bonding Resin
Emergency Information Chemtrec: 800-424-9300 Chemtrec International: 202-483-7616	Description: Indirect Bonding System, LC Bonding Resin
Product Grade / Name: Methacrylate monomers in Acetone.	

II – Composition / Information on Ingredients

Chemical Characteristics: Methacrylate monomers in Acetone.

Hazardous Components:

Element	CAS#	Exposure Limit mg/m3	
		OSHA PEL	ACGIH TLV
HEMA	868-77-9	N/E	N/E
TMPTMA	3290-92-4	N/E	N/E
PMGMMDM	N/E	N/E	N/E
Photo Initiator System	Various	N/E	N/E
Acetone	67-64-1	2400	1188
Ethanol	64-17-5	1900	1880
Poss	01-30-01	N/E	N/E

III – Hazards Identification

Risk Identification:
Those known to be allergic to methacrylate resins should avoid the use of this product.

IV – First Aid Measures

General Information:
After Skin Contact: Immediately wash with soap and water.
Consult a physician if irritation occurs.
After Eye Contact: Immediately rinse with plenty of water and consult an ophthalmologist.
After Swallowing: Seek medical attention immediately.

V – Fire Fighting Measures

Extinguishing Media: CO2, water, dry chemical.
Protective Equipment: Unknown.

VI – Accidental Release Measures

In Case of Spillage: Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.

Waste Disposal: Dispose according to Federal, State, and local regulations in an approved incineration unit, or dispose of in accordance with Federal, State, and local regulations.

VII – Handling and Storage

Recommendation for Fire and Explosion Protection: Not applicable.

Storage: Store at refrigeration temperature 2° - 8° C, away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time spontaneous polymerization may occur.

VIII – Exposure Controls / Personal Protection

Respiratory Protection: Face mask recommended for prolonged exposure.

Protective Gloves: Yes.

Eye Protection: OSHA approved goggles.

IX – Physical and Chemical Properties

Appearance: Form: Liquid.

Color: Slight yellow, clear.

Odor: Acetone.

Information on Change in the Physical State:

Melting Point/Melting Range: Unknown.

Boiling Point/Boiling range: Unknown.

Flash Point: About 101°C.

Autoignition Temperature: 360°C.

Danger of Explosion: Unlikely.

Density: 1.0. gm/cm³.

Vapor Pressure: 184.

Viscosity: Unknown.

pH: Not applicable.

Solubility in / Mixability with:

Water: Yes.

Content of Resin: >60%.

Organic Solvents: >20%.

Water: =5%.

X – Stability and Reactivity

Stability: Stable.

Conditions to Avoid: Heat, sparks, & open flames.

Incompatibility: Acids, oxidizing agent, alkalis, amines, ammonia and chlorinated compounds.

XI – Toxicological Information.

Carcinogenicity:

NTP: Not known.

IARC Monographs: Not known.

OSHA Regulated: Not known.

ACIGH: Not known.

TLV: Oral rat 5.2 mi/kg.

Primary Routes of Entry: Inhalation, skin, and eyes.

None of the components of the material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.

XII – Ecological Information

General Information: Unknown.

Classification of Water Endangerment: Unknown.

XIII – Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

XIV – Transportation Information

Not classified as dangerous goods.

XV – Regulatory Information

Classification According to EEC Guidelines: Unknown.

National Prescriptions: Unknown.

Classification According to VbF: Unknown.

XVI – Other Information

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