

**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 –
Description: Plastic Conditioner

Emergency Information Chemtrec: 800-424-9300
Chemtrec International: 202-483-7616

Product Grade / Name:
Plastic Conditioner

II – Hazards Identification

Emergency overview: Flammable liquid and vapors. May cause central nervous system depression.

Routes of exposure:

Skin may cause allergic skin reaction, irritation

Inhalation may cause respiratory tract irritation.

Eyes may cause eye irritation

Ingestion Not an expected hazard in normal use. May be harmful if swallowed

III – Composition / Information on Ingredients

Hazardous Components:	Concentration	CAS NO.	Hazard Code	Risk code
Methyl methacrylate	60 - 80 %	[80-62-6]	F	R11, 20, 21, 22
Isobutyl methacrylate	20 - 50 %	[97-86-9]	Xi	R36, 37, 38
Alkyl Toluidine	0 - 10 %	[3077-12-1]		

IV – First Aid Measures

Skin:	Wash off with soap and water. Remove contaminated clothing If irritation persists consult a physician.
Ingestion:	Drink large quantity of milk or water. Seek medical attention immediately. Only induce vomiting if directed by physician.
Eyes:	Remove contact lenses. Flush with plenty of water. Seek medical attention by an ophthalmologist.
Inhalation:	Remove to fresh air. If breathing is difficult give oxygen and seek immediately medical attention.

V – Fire Fighting Measures

Suitable extinguishing Media:	Chemical Foam, Carbon Dioxide, or Dry Chemical
Forbidden extinguish Media:	Unknown
Special Fire/Exposure Hazards:	Vapors may travel to ignition source and flash back.
Unusual fire and explosion hazards:	Flammable liquid. Explosive mixtures with air may occur at room temperature. Heated containers can build up pressure and explode. Cool fire-exposed containers with water. Heat can initiate exothermic polymerization.
Special Protection Equipment:	Wear NIOSH-approved self-contained breathing apparatus and full protective gear.

VI – Accidental Release Measures

- Personal Precautions: See sections VII and VIII for proper handling and personal protection. Remove the sources of ignition and ventilate area. For large spills, evacuate area if needed.
- Environmental Precautions: Do not dump in sewer the spilled material. Do not contaminate any lakes, streams, groundwater, and soil. Methods for Cleaning up Always use impervious gloves when cleaning up. Absorb spill with inert absorbent Such as paper towels or vermiculite as absorbent. Dispose according to applicable regulations.

VII – Handling and Storage

- Handling: Avoid unnecessary exposure.
- Storage: Store at room temperature, preferably cool, dry place, out of sunlight or strong light. Keep away from sources of ignition.
- Containers: Keep in original containers supplied by manufacturer.
- Incompatibilities: Peroxides, Amines, Oxidizing or Reducing Agents.
- Other Precautions: Use by trained professionals only and according to directions. Avoid contact with eyes, skin and soft tissue.

VIII – Exposure Controls / Personal Protection

Exposure Limits:

	OSHA – PEL		ACGIH - TLV	
	TWA	STEL	TWA	STEL
Methyl methacrylate	100 ppm	NE	100 ppm	NE
Isobutyl methacrylate	NE	NE	NE	NE

- General Protective Measures: Follow good chemical handling/laboratory practice. Avoid unnecessary exposure. General ventilation should be designed in accordance with good engineering practices.
- Respiratory protection: Avoid prolonged breathing vapors of the uncured material
- Hands Protection: Impervious Gloves
- Eye Protection: Safety glasses or goggles.
- Skin Protection: Protect all exposed skin from contact. Use lab coat over clothing.
- Other Equipment: Eye wash should be available in areas where this product is handled.

IX – Physical and Chemical Properties

- Appearance: Clear liquid
- Odor: Acrylic
- Vapor Pressure: 21 mm. Hg
- Boiling Point: 119 C
- Explosion Limits: 2.1 - 12.5 % for Me Methacrylate
- Flash Point: 50 F for Me Methacrylate
- Water solubility: Insoluble
- Specific Gravity: 0.92
- Evaporation Rate: Faster than Butyl Acetate

X – Stability and Reactivity

- Stability: Stable in normal storage conditions
- Conditions to avoid: Temperatures over 40 C, sources of ignition.
- Materials to avoid: Peroxides, Amines, Oxidizing and Reducing Agents
- Hazardous Decomposition Products: Carbon Oxides
- Hazardous Polymerization Products: Polymerization with release of heat may occur

XI – Toxicological Information

Ingestion: May cause indigestion or may be fatal
Eye contact: May cause irritation, pain, eye burns or permanent eye damage.
Skin Contact: May cause irritation or rash for persons with preexistent skin sensitivity.
Inhalation: Inhalation may cause irritation of the respiratory system.
Prolonged exposure: N/A

	For Methyl methacrylate	For isobutyl methacrylate
Acute Oral Effects:	LD50 (rat) > 5, 000 mg.	LD50 (mouse) 1182 4 mg/kg
Acute Dermal Effects:	LD50 (rabbit) > 5,000mg.	LD50 (rabbit) 20 ml/kg
Acute Inhalation Effects:	LC50 (rat 29.8 mg/l	LC50 (rat) 3600 ppm 6 hours

XII – Ecological Information

No known ecological hazards.

XIII – Disposal Considerations

Dispose of in accordance with Federal, State, and Local Regulations.

XIV – Transportation Information

Substances determining Hazard: Methyl Methacrylate
Hazard Class: Substance Identification UN 1247
Packing Group: 3
Hazard Label: Flammable Liquid
ERG. No 129

XV – Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.

Hazard Classification Symbol: Xi
Risk Statements: R20/21/22/ Harmful by inhalation, skin contact or if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin
R41 Risk of serious damage to eyes
R42/43 May cause sensitization by inhalation or skin contact
Safety Statements: S36 Wear suitable protective clothing
Ingredients Determining the label: Methacrylate Esters Monomers

XVI – Other Information

Note: While the information and recommendations set forth on this data sheet are believed to be accurate as received from our suppliers, RMO, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.