

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Koldmount Liquid  
Product Number: 3346, 3349, 3347, 3348  
Synonyms: Methyl Methacrylate Monomer  
Chemical Name: Methyl Methacrylate Monomer  
CAS Number: Blend

### Company Identification

CMP Industries LLC  
413 North Pearl St  
Albany, NY 12207-1311 USA  
(518)-434-3147 (For product information)  
(800)-424-9300 (For emergencies)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

## 2. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW:**

WARNING: Flammable liquid and vapor. Prolonged exposure may cause allergic skin reaction, kidney damage, liver damage. Repeated or prolonged exposure can cause the following: headache, nausea, drowsiness, unconsciousness.

### **GHS Classification:**

Acute Toxicity, Inhalation - Category 4  
Serious Eye Damage/Eye Irritation - Category 2  
Skin Corrosion/Irritation - Category 2  
Respiratory or skin Sensitization - Category 1  
Target Organ Systemic Toxicity - Repeated Exposure, Category 2  
Flammable liquids - Category 3  
Target Organ Systemic Toxicity - Single Exposure Category 3

### **GHS Hazard Symbols:**

Flammable, Irritant, Health Hazard



### **EYE:**

Can cause eye irritation.



**SKIN:**

Can cause skin irritation.

**INHALATION:**

Can cause respiratory irritation.

**INGESTION:**

May be harmful if swallowed.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness.

**TARGET ORGAN:**

Prolonged exposure may cause allergic skin reaction, kidney damage, liver damage. Repeated or prolonged exposure can cause the following: headache, nausea, drowsiness, unconsciousness.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
METHYL METHACRYLATE	90.0 - 100.0 %	80-62-6
DIMETHYL P TOLUIDINE	0.0 - 10.0 %	99-97-8

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are chronic, fire hazards.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes, holding the eyelids apart. Get immediate medical attention.

**SKIN CONTACT FIRST AID:**

Immediately wash skin with soap and plenty of water. Seek medical attention if irritation develops. Launder contaminated clothing before re-use.

**INHALATION FIRST AID:**

Remove to fresh air. If breathing is difficult, have qualified personnel give oxygen. Seek immediate medical attention.

**INGESTION FIRST AID:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, immediately give 2 glasses of water. Get immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

COC Flash Point: 16 C (60.8 F)



Autoignition Temperature: 411 C (771.8 F)

**FLAMMABLE LIMITS IN AIR**

LEL: 1.8 %

UEL: N/A

**EXTINGUISHING MEDIA:**

Chemical foam, carbon dioxide, dry chemical.

**FIRE & EXPLOSION HAZARDS:**

Vapors can travel to a source of ignition and flashback. Heat can cause polymerization. Heated containers can explode.

**FIRE FIGHTING INSTRUCTIONS:**

Do not enter fire area without proper protection. Fight fire from a safe distance or protected location. Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Water may be ineffective unless used as a fine spray or fog. Use water to cool fire-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**INITIAL CONTAINMENT:**

Absorb spills with inert material. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Contaminated monomer may be unstable. Spills on porous surfaces can contaminate groundwater.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Ear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Keep away from heat, sparks and flames. Ground container when pouring. Do not expose to direct sunlight.

**STORAGE PRECAUTIONS:**

Do not store under oxygen-free environment. Leave air space over liquid surface in all containers introducing air periodically if stored more than 6 months. Containers hazardous when empty.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE / FACE PROTECTION REQUIREMENTS:**

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION REQUIREMENTS:**

Butyl rubber gloves.

**RESPIRATORY PROTECTION REQUIREMENTS:**

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.



**EXPOSURE GUIDELINES:**

**METHYL METHACRYLATE**

OSHA PEL: 100 ppm, 410 mg/m<sup>3</sup>  
OSHA TWA: 100 ppm, 410 mg/m<sup>3</sup>

**DIMETHYL P TOLUIDINE**

OSHA PEL: 10 mg/m<sup>3</sup>  
OSHA TWA: 2.5 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Clear
ODOR:	Fruity
BOILING POINT:	101 C
VAPOR DENSITY:	3.5 (Air = 1)
SOLUBILITY IN WATER:	Moderate
SPECIFIC GRAVITY:	0.94 (Water = 1)
MELTING/FREEZING POINT:	-48 C
VISCOSITY:	0.53 CPS
EVAPORATION RATE:	(BUAC=1) 3.1

## 10. STABILITY AND REACTIVITY

**POLYMERIZATION:**

Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with acids, bases, oxidizing agents, reducing agents, UV light.

**DECOMPOSITION:**

Carbon monoxide, carbon dioxide and irritating smoke and fumes.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:**

Liquid and vapor can cause moderate irritation (tears, blurred vision and redness).

**SKIN EFFECTS:**

May cause skin irritation with allergic skin reaction.(skin sensitization).

**ACUTE ORAL EFFECTS:**

Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

**ACUTE INHALATION EFFECTS:**

May cause respiratory tract irritation with coughing, mucous production and shortness of breath. High concentration is irritating to the respiratory tract and may cause dizziness, headache and anesthetic effects.

**CHRONIC EFFECTS /:**



Prolonged or repeated overexposure may cause skin irritation or sensitization in some individuals, as well as kidney, lung, liver and heart damage.

**METHYL METHACRYLATE**

Test Code: LC50  
Species: Rat  
Results: 4h:7093 ppm

## 12. ECOLOGICAL INFORMATION

**METHYL METHACRYLATE**

Test Code: Aquatic Toxicity  
Description: LC50 96h;  
Species: Fathead minnow  
Results: 130mg/L

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

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

## 14. TRANSPORT INFORMATION

PRODUCT LABEL:	Koldmount Liquid
D.O.T. SHIPPING NAME:	Methy Methacrylate, Inhibited
D.O.T. HAZARD CLASS:	3, PG II
UN NUMBER:	1247

## 15. REGULATORY INFORMATION

**EEC Symbols and Indications of Danger:**

Highly Flammable (F), Harmful (Xn), Irritant (Xi), Dangerous For The Environment (N)



**R-Phrases:**

R10 - Flammable.  
R20/21/22 - Harmful by inhalation, in contact with skin, and if swallowed.  
R36 - Irritating to eyes.  
R36/37/38 - Irritating to eyes, respiratory system, and skin.

**WHMIS Hazard Symbols:**

Class D2 - Materials Causing Other Toxic Effects





**Canadian Disclosure List**

METHYL METHACRYLATE (80-62-6)

**SARA Title III - Section 313**

METHYL METHACRYLATE (80-62-6)

**CERCLA Hazardous Substances**

METHYL METHACRYLATE (80-62-6) -- RQ 1000 lb

**RCRA Hazardous Substances**

METHYL METHACRYLATE (80-62-6) -- RCRA Code: U162

**Title V**

METHYL METHACRYLATE (80-62-6)

**SC Toxic Air Pollutants List**

METHYL METHACRYLATE (80-62-6)

**16. OTHER INFORMATION**

PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	February 16, 2015
SUPERCEDES DATE:	December 19, 2014
RTN NUMBER:	00000268 (Official Copy)

**HMIS Rating:**

Health - 2  
 Flammability - 2  
 Reactivity - 2

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**END OF SAFETY DATA SHEET**

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