

# 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

Distributor: SPI Supplies / Structure Probe Inc.  
206 Garfield Avenue  
West Chester, PA 19382  
Phone: 610-436-5400; 1-800-242-4774  
Fax: 610-436-5755  
Email: sales @2spi.com  
SPI Catalog # 01352-XX

### 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



### **GHS Hazard Statements:**

H225 - Highly flammable liquid and vapor.



H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

**GHS Precautionary Statements:**

P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302/352 - IF ON SKIN: Wash with plenty of soap and water.  
P304/340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P333/313 - If skin irritation or rash occurs: Get medical advice/attention.  
P403 - Store in a well-ventilated place.  
P403/235 - Store in a well-ventilated place. Keep cool.

**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 ground water.

## 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 irritations 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:

Methyl Methacrylate, Inhibited



D.O.T. HAZARD CLASS: 3, PG II  
UN NUMBER: 1247

**MISCELLANEOUS:**  
SAPT IS AT LEAST 55 C.

## 15. REGULATORY INFORMATION

**EEC Symbols and Indications of Danger:**  
Highly Flammable (F), Harmful (Xn), Irritant (Xi)



**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.

**S-Phrases:**

S16.1 - Keep away from sources of ignition.  
S15.1 - Keep away from heat and flame.  
S23.2 - Do not breathe vapor.

**Canadian Disclosure List**

METHYL METHACRYLATE (80-62-6)

**SARA Title III - Section 313**

Koldmount Liquid (BLEND) --  
METHYL METHACRYLATE (80-62-6)

**CERCLA Hazardous Substances**

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

**RCRA Hazardous Substances**

Koldmount Liquid (BLEND) --  
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: July 23, 2018  
SUPERCEDES DATE: July 12, 2018  
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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# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Koldmount Powder  
Product Number: 3342,3346,3344,3344A,3345

### 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: Dust may cause eye, skin and respiratory irritation. Individuals with sensitivity to methacrylates may develop an allergic reaction when exposed to this product.

WARNING: Combustible dust, may form combustible dust concentrations in air, explosion hazard.

### **GHS Classification:**

Serious Eye Damage/Eye Irritation, Category 2B

### **GHS Hazard Symbols:**

Irritant



### **GHS Hazard Statements:**

H320-Causes eye irritation.

### **GHS Precautionary Statements:**

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337/313 - If eye irritation persists: Get medical advice/attention.





**EYE:**

Dust may be irritating to the eye.

**SKIN:**

May cause an allergic skin reaction.

**INHALATION:**

Avoid breathing dust, fumes, gas, mist vapors or spray.

**INGESTION:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**CHRONIC EFFECTS:**

Prolonged or repeated overexposure may cause skin irritation or sensitization in some individuals.

**CARCINOGENICITY INFORMATION:**

None of the components of this product are listed as carcinogens by OSHA, IARC or NTP or the EU directive.

**MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:**

Individuals with pre-existing skin and respiratory disorders may be at increased risk from exposure.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
POLY(METHYL METHACRYLATE)	99.0 %	9011-14-7
BENZOYL PEROXIDE	< 1.0 %	94-36-0

**COMPOSITION COMMENT:**

This material is not intended for application involving elevated temperatures.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.

**SKIN CONTACT FIRST AID:**

Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops. Launder clothing before re-use.

**INHALATION FIRST AID:**

Remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. Get medical attention if symptoms persist.

**INGESTION FIRST AID:**

If unconscious wash mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

### 5. FIRE FIGHTING MEASURES



**FLAMMABLE PROPERTIES**

COC Flash Point: 304.0 C (579.2 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**FLAMMABLE PROPERTIES:**

High concentrations of dust in air may be explosive.

**EXTINGUISHING MEDIA:**

Water fog, carbon dioxide, halon and dry chemical. Do not use a water stream. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.

**FIRE & EXPLOSION HAZARDS:**

High concentrations of dust in air may be explosive.

**FIRE FIGHTING INSTRUCTIONS:**

A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

**COMBUSTION PRODUCTS:**

Cool exposed intact containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):**

Carefully collect and place into a container for disposal. Remove all sources of ignition. Do not generate airborne dust. Do not allow water to enter lakes, streams, ponds, ground water or soil. Spilled powder can be a slip hazard.

**LARGE SPILLS PROCEDURE:**

Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

**SMALL SPILLS PROCEDURE:**

Same as large spill.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Avoid contact with skin and eyes. Do not breathe dust or fumes. Wash thoroughly after handling. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Use good housekeeping to minimize accumulation of dust on equipment and surfaces. Keep away from sources of heat or ignition sources.

**HANDLING (PHYSICAL ASPECTS):**

Store in a dry, well ventilated area. Keep container closed when not in use.

Storage temperature: Ambient.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



**ENGINEERING CONTROLS:**

Use with adequate local exhaust ventilation to maintain exposure below the occupation exposure limits.

**EYE / FACE PROTECTION REQUIREMENTS:**

Chemical safety glasses with side shields or chemical goggles.

**SKIN PROTECTION REQUIREMENTS:**

Wear impervious gloves such as rubber to avoid skin contact.

**RESPIRATORY PROTECTION REQUIREMENTS:**

If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**MISCELLANEOUS:**

Impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

**EXPOSURE GUIDELINES:**

**POLY(METHYL METHACRYLATE)**

Recommended Exposure Limit: 5 mg/m<sup>3</sup>

**BENZOYL PEROXIDE**

OSHA PEL: 5 mg/m<sup>3</sup>

OSHA TWA: 5 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	White
ODOR:	No odor
SOLUBILITY IN WATER:	Negligible
SPECIFIC GRAVITY:	1.125 (Water = 1)

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with strong acids and oxidizing agents. Keep away heat, sparks or ignition sources.

**DECOMPOSITION:**

Methyl Methacrylate and Carbon Monoxide, depending on condition of heating or burning.

**CONDITIONS TO AVOID:**

Temperature above 570°F.



## 11. TOXICOLOGICAL INFORMATION

### EYE EFFECTS:

Dust may cause irritation.

### SKIN EFFECTS:

Dust may cause irritation, redness, rash and swelling. Individuals with sensitivity to methacrylates may develop an allergic reaction.

### ACUTE ORAL EFFECTS:

May cause gastrointestinal irritation with nausea, vomiting or diarrhea.

### ACUTE INHALATION EFFECTS:

Inhalation of dust may cause irritation of the nose, throat and upper respiratory tract.

### CHRONIC EFFECTS /:

Prolonged or repeated overexposure may cause skin irritation or sensitization in some individuals.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL HAZARDS:

There is no specific data available for this product, however very large releases may be harmful or fatal to overexposed aquatic life.

### MISCELLANEOUS:

The product is anticipated to be poorly removed in biological treatment processes.

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Disposal should be accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

PRODUCT LABEL:	Koldmount Powder
D.O.T. SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	N/A
UN NUMBER:	N/A
D.O.T. LABEL:	N/A

### MISCELLANEOUS:

IATA/ICAO. Not Regulated.

IMDG: Not regulated.

## 15. REGULATORY INFORMATION



**EEC Symbols and Indications of Danger:**

Irritant (Xi)



**R-Phrases:**

R36/37/38 - Irritating to eyes, respiratory system, and skin.

**S-Phrases:**

S15 - Keep away from heat.  
S25 - Avoid contact with eyes.

**Title V**

BENZOYL PEROXIDE (94-36-0)

**16. OTHER INFORMATION**

REASON FOR ISSUE:	Reviewed
PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	July 23, 2018
SUPERCEDES DATE:	July 12, 2018
RTN NUMBER:	00000299 (Official Copy)

**HMIS Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

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