

## SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

### 1. Identification

**Product identifier:** ACRIFIX® 2R 0190

**Other means of identification**

None.

**Recommended restrictions**

**Recommended use:** polymerising adhesive for acrylic

**Restrictions on use:** Applications where liquid monomer is intended to come into contact with skin or nails.

**Manufacturer/Importer/Distributor Information**

Company Name : Roehm America LLC  
299 Jefferson Road  
Parsippany, NJ 07054  
USA

Telephone : +1 800-225-0172

E-mail : product-regulatory-services@roehm.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : +1 703 527 3887 (CHEMTREC WORLD)

### 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

Flammable liquids Category 2

**Health Hazards**

Skin Corrosion/Irritation Category 2

Skin sensitizer Category 1

Specific Target Organ Toxicity -  
Single Exposure Category 3<sup>1</sup>

**Target Organs**

1. Respiratory tract irritation.

**Environmental Hazards**

Acute hazards to the aquatic  
environment Category 3

Chronic hazards to the aquatic environment

Category 3

## Label Elements

### Hazard Symbol:



### Signal Word:

Danger

### Hazard Statement:

Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

### Precautionary Statements

#### Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see supplemental first aid instructions on this label). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use carbon dioxide to extinguish.

#### Storage:

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

#### Disposal:

Dispose of contents/container in accordance with local regulation.

### Hazard(s) not otherwise classified (HNOC):

None.

## 3. Composition/information on ingredients

## Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Methyl methacrylate		80-62-6	60 - 100%
2-(2H-benzotriazol-2-yl)-p-cresol		2440-22-4	0.1 - <1%
p-Toluidine ethoxylated		103671-44-9	0.1 - <1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

## 4. First-aid measures

### Description of necessary first-aid measures

**General information:** First aider needs to protect himself. Take off all contaminated clothing immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours.

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, get medical attention. Administer oxygen if breathing is difficult.

**Skin Contact:** In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Obtain medical attention if irritation develops or persists. Wash clothing before reuse.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water. Get immediate medical advice/attention.

**Ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person.

**Personal Protection for First-aid Responders:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear., Containers can build up pressure if exposed to heat (fire)., Cool with water spray.

### Most important symptoms/effects, acute and delayed

**Symptoms:** Headache. confusion Causes skin and eye irritation. Skin sensitizer

**Hazards:** May be harmful if inhaled.

### Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

## 5. Fire-fighting measures

**General Fire Hazards:** Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** foam Dry chemical. Carbon dioxide

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards arising from the chemical:** May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition and nitric oxides.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition - No smoking. Take action to prevent static discharges. In the event of fire, cool the endangered containers with water. When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air. Use only explosion-proof equipment. Vapours are heavier than air and may spread along floors.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Assure sufficient ventilation. Use personal protective clothing. Keep away from open flames, hot surfaces and sources of ignition. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly with soap and water after handling.

**Accidental release measures:** Evacuate area and do not approach spilled product. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). For personal protection see section 8.

**Methods and material for containment and cleaning up:** Larger quantities: Remove mechanically (by pumping). Use explosion-proof equipment! Smaller quantities and/or residues: Contain with absorbent material (e.g. sand, diatomaceous earth, acid absorbent, universal absorbent or sawdust). Dispose of in accordance with regulations.

**Environmental Precautions:** Prevent product from getting into drains/surface water/groundwater. If the product contaminates rivers and lakes or drains inform respective authorities.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

**Safe handling advice:** Keep container tightly closed. Keep away from sparks, flames and other sources of ignition. Keep away from heat. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing mist or vapor. Use only with adequate ventilation. In case of inadequate ventilation, use respiratory protection. Use explosion-proof equipment. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Container hazardous when empty. Follow all SDS/label precautions even after the container is emptied. Emptied container retains vapor and product residue. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container. Provide good room ventilation even at ground level (vapours are heavier than air). Keep away from sources of ignition - No smoking. When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air. In the event of fire, cool the endangered containers with water. A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

**Contact avoidance measures:** No data available.

**Hygiene measures:** Store work clothing separately. Take off all contaminated clothing immediately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

## Storage

**Safe storage conditions:** Keep in the original container at a temperature not exceeding 30 °C (86 °F). Fill the container by approximately 90 % as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability. Store in a cool, dry place. Keep container closed. Protect from the action of light. Can polymerize with intense heat release. Observe prohibition against storing together! see also section 10. Improper disposal or re-use of this container may be dangerous and illegal.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Methyl methacrylate	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	100 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	100 ppm      410 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	100 ppm      410 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air

			Contaminants (29 CFR 1910.1000), as amended (03 2016)
2-(2H-benzotriazol-2-yl)-p-cresol	ST ESL	120 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	12 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)

**Appropriate Engineering Controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:**

Use safety glasses (ANSI Z87.1 or approved equivalent).

**Skin Protection**

**Hand Protection:**

Material: butyl rubber gloves (minimal thickness 0.3 mm)  
Break-through time: 60 min  
Guideline: EN 374  
Additional Information: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Additional Information: nitrile rubber gloves, Suitable as spray protection.

**Skin and Body Protection:**

Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**Respiratory Protection:**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Hygiene measures:**

Store work clothing separately. Take off all contaminated clothing immediately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

**9. Physical and chemical properties**

**Appearance**

**Physical state:** liquid  
**Form:** viscous  
**Color:** slightly violet  
**Odor:** ester-like

<b>Odor Threshold:</b>	0.05 - 0.34 ppm (methyl methacrylate)
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	approx. 100 °C (1,013 hPa) approx. 212 °F (1,013 hPa)
<b>Flash Point:</b>	9 °C (DIN EN ISO 13736) Own study 48.20 °F (DIN EN ISO 13736)
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive limit - upper (%):</b>	12.5 %(V) (methyl methacrylate)
<b>Explosive limit - lower (%):</b>	2.1 %(V) at 10,5°C / 33,8°F (methyl methacrylate)
<b>Vapor pressure:</b>	38.7 hPa (20 °C) (methyl methacrylate)
<b>Vapor density (air=1):</b>	> 1 20 °C 68 °F
<b>Density:</b>	approx. 1.02 g/cm <sup>3</sup> (20 °C) (68 °F)
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	approx. 16 g/l (20 °C)
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	The substance or mixture is not classified as pyrophoric. 435 °C (DIN 51794) (methyl methacrylate) Auto Ignition Temperature 815.00 °F
<b>Decomposition Temperature:</b>	This product is stable under normal storage conditions.
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	1,600 - 2,000 mPa.s (20 °C, Brookfield)   (68 °F)
<b>Other information</b>	
<b>Explosive properties:</b>	Vapours can form explosive mixtures with air.
<b>Oxidizing properties:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	This product is stable under normal storage conditions.
<b>Possibility of hazardous reactions:</b>	Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. The same applies to the effect of light or UV-light respectively.
<b>Conditions to avoid:</b>	Ultraviolet light. Protect from the action of light. Avoid high temperatures and sources of ignition. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.
<b>Incompatible Materials:</b>	Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents. Mineral Acid Free radical initiators.
<b>Hazardous Decomposition Products:</b>	None when used as directed.

## 11. Toxicological information

**General information:** Contains a material that has been reported to cause isolated cases of human sensitization in other products. No reports of human sensitization have been reported for this product.

### Information on likely routes of exposure

**Inhalation:** May be harmful if inhaled.

**Skin Contact:** Prolonged skin contact may cause redness and irritation.

**Eye contact:** May irritate eyes.

**Ingestion:** If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** Drowsiness, dizziness, disorientation, vertigo.

**Skin Contact:** Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

**Eye contact:** Eye may become red, tear, and become painful.

**Ingestion:** If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

##### Oral

**Product:** Acute toxicity estimate: > 5,000 mg/kg

##### Dermal

**Product:** Acute toxicity estimate: > 5,000 mg/kg

##### Inhalation

**Product:** ATEmix: > 40 mg/l Vapour

#### Repeated dose toxicity

**Product:** No data available.

##### Components:

2-(2H-benzotriazol-2-yl)-p-cresol  
NOAEL (Rat, Oral): 47 mg/kg (Target Organ(s): Liver) Repeated high-level exposure may cause liver damage.

#### Skin Corrosion/Irritation

**Product:** No data available.

##### Components:



Methyl methacrylate	(Rabbit): Irritant
2-(2H-benzotriazol-2-yl)-p-cresol	EPA OPP 81-5 (Rabbit): Not irritating
p-Toluidine ethoxylated	OECD Test Guideline 439 Irritating.

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

### Respiratory or Skin Sensitization

**Product:** No data available.

#### Components:

Methyl methacrylate	Local Lymph Node Assay (LLNA), OECD TG 429 (Mouse): May cause sensitization by skin contact. Not classified for respiratory sensitization
2-(2H-benzotriazol-2-yl)-p-cresol	Maximization Test (GPMT), OECD Test Guideline 406 (Guinea Pig): Skin sensitizer Not classified for respiratory sensitization
p-Toluidine ethoxylated	Local Lymph Node Assay (LLNA), OECD Test Guideline 429 (Mouse): May cause sensitization by skin contact.

### Carcinogenicity

**Product:** Not classified no evidence for hazardous properties No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

### US. National Toxicology Program (NTP) Report on Carcinogens:

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

### Germ Cell Mutagenicity

#### In vitro

**Product:** No data available.

#### Components:

Methyl methacrylate	positive and negative Not classified
2-(2H-benzotriazol-2-yl)-p-cresol	Not classified
p-Toluidine ethoxylated	gene mutation test (OECD Test Guideline 476): positive

#### In vivo

**Product:** No data available.

#### Components:

Methyl methacrylate	Micronucleus test (OECD Test Guideline 474) Oral (Mouse): Not classified dominant lethal test Inhalation (Mouse, male): Not classified
2-(2H-benzotriazol-2-yl)-p-cresol	Not classified

### Reproductive toxicity

**Product:** Not classified no evidence for hazardous properties

### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

**Components:**

Methyl methacrylate	Category 3 with respiratory tract irritation.
2-(2H-benzotriazol-2-yl)-p-cresol	Not classified
p-Toluidine ethoxylated	Not classified

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

Methyl methacrylate	Not classified
2-(2H-benzotriazol-2-yl)-p-cresol	Not classified
p-Toluidine ethoxylated	Not classified

**Aspiration Hazard**

**Product:** Not classified

**Other effects:**

Carefully avoid contact with skin and eyes as well as inhalation of product vapours. No tests were performed with this mixture. The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification".

## 12. Ecological information

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Components:**

Methyl methacrylate	LC 50 (96 h): > 100 mg/l Expert judgement
2-(2H-benzotriazol-2-yl)-p-cresol	LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): > 0.17 mg/l The reported toxic effects relate to the nominal concentration. In the range of water solubility not toxic under test conditions.
p-Toluidine ethoxylated	LC 50 (Cyprinus carpio, 96 h): > 100 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Methyl methacrylate	EC 50 (Daphnia magna (Water flea), 48 h): 69 mg/l
2-(2H-benzotriazol-2-yl)-p-cresol	EC 50 (Daphnia magna (Water flea), 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration. No toxicity at the limit of solubility
p-Toluidine ethoxylated	EC 50 (Daphnia magna, 48 h): 48 mg/l

**Chronic hazards to the aquatic environment:**

## Fish

**Product:** No data available.

### Components:

Methyl methacrylate NOEC (Danio rerio (zebra fish), 14 d): 9.4 mg/l

## Aquatic Invertebrates

**Product:** No data available.

### Components:

Methyl methacrylate NOEC (Daphnia magna (Water flea), 21 d): 37 mg/l

2-(2H-benzotriazol-2-yl)-p-cresol NOEC (Daphnia magna (Water flea), 21 d): 0.013 mg/l Nominal concentration The test product is slightly soluble in the test medium.

## Toxicity to Aquatic Plants

**Product:** No data available.

### Components:

Methyl methacrylate EC 50 (Selenastrum capricornutum (green algae), 72 h): > 100 mg/l  
NOEC (Selenastrum capricornutum (green algae), 72 h): > 110 mg/l

2-(2H-benzotriazol-2-yl)-p-cresol EC 50 (Green Algae, 72 h): > 100 mg/l Value relates to a similar product. The reported toxic effects relate to the nominal concentration. In the range of water solubility not toxic under test conditions.  
EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 0.0822 mg/l growth rate

p-Toluidine ethoxylated EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 100 mg/l

## Persistence and Degradability

### Biodegradation

**Product:** 94 % (14 d) Related to substance: methyl methacrylate

### BOD/COD Ratio

**Product:** No data available.

## Bioaccumulative potential

### Bioconcentration Factor (BCF)

**Product:** No data available.

### Components:

2-(2H-benzotriazol-2-yl)-p-cresol Cyprinus carpio (Carp), Bioconcentration Factor (BCF): 548 - 895 (OECD Test Guideline 305C) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). The product may be accumulated in organisms.  
Cyprinus carpio (Carp), Bioconcentration Factor (BCF): 44 - 220 (OECD Test Guideline 305C)

## Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

### Components:

Methyl methacrylate Log Kow: 1.38

2-(2H-benzotriazol-2-yl)-  
p-cresol Log Kow: 4.2 25 °C Measured

p-Toluidine ethoxylated Log Kow: 2.17 (OECD 117)

**Mobility in soil:** No data available.

**Components:**

Methyl methacrylate No data available.

2-(2H-benzotriazol-2-yl)-  
p-cresol Substance does not evaporate from water surface into the atmosphere.

p-Toluidine ethoxylated No data available.

**Other adverse effects:** Prevent substance from entering soil, natural bodies of water and sewer systems. The properties of this product which are characteristics posing a threat to the environment have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification". No investigations were carried out with the preparation itself.

## 13. Disposal considerations

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:** Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

**Contaminated Packaging:** Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

## 14. Transport information

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 1133  
Proper shipping name : Adhesives stabilized

Class : 3  
Packing group : II  
Labels : 3  
ERG Code : 128  
Marine pollutant : no

## International Regulations

### IATA-DGR

UN/ID No.	:	UN 1133
Proper shipping name	:	Adhesives stabilized
Class	:	3
Packing group	:	II
Labels	:	3
Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	353

### IMDG-Code

UN number	:	UN 1133
Proper shipping name	:	ADHESIVES STABILIZED
Class	:	3
Packing group	:	II
Labels	:	3
EmS Code	:	F-E, S-D
Marine pollutant	:	no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. Regulatory information

### US Federal Regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

#### US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER	1000 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

<u>Chemical Identity</u>
Methyl methacrylate

**US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
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**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

<u>Chemical Identity</u>	<u>Reporting threshold for other users</u>
Methyl methacrylate	Otherwise used (non-manufacturing/processing)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

<u>Chemical Identity</u>
Methyl methacrylate

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

<u>Chemical Identity</u>
Methyl methacrylate

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**16. Other information, including date of preparation or last revision**

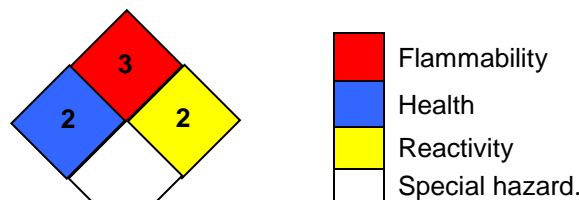
**HMIS Hazard ID**

<b>Health</b>	2
<b>Flammability</b>	3
<b>Physical Hazards</b>	2
<b>PERSONAL PROTECTION</b>	<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 02/18/2020

**Version #:** 2.1

**Further Information:** The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

**Disclaimer:** This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall ROEHM assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. ROEHM EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF ROEHM IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. ROEHM reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

