SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: **ACRIFIX® 1R 0192**

Other means of identification None.

Recommended use: polymerising adhesive for acrylic

Recommended restrictions: Product not intended for consumers 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 Emergency	:	+1 800 424 9300 (CHEMTREC - US & CANADA) +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
Toxic to reproduction	Category 2

Environmental Hazards

Acute 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.
Suspected of damaging fertility.
Harmful to aquatic life.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. 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 (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. IF exposed or concerned: Get medical advice/attention. 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 foam for extinction.

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 (%)*
Methyl methacrylate		80-62-6	60.0 - 100.0%
acrylic copolymer, Polymer			15 - 40%
Bis(isopropyl) thioperoxydicarbonate		105-65-7	0.1 - <1%
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide		75980-60-8	0.1 - <1%
Pentaerythritol tetra(mercaptoacetate)	3-[(2-sulfanylacetyl)oxy]-2,2-bis({[(2-sulfanylacetyl)oxy]methyl}) propyl 2-sulfanylacetate	10193-99-4	0.01 - <0.1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Solution of an acrylic polymer in methyl methacrylate

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. Give artificial respiration if breathing has stopped.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes.

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. Only induce vomiting if directed by a physician. 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.

Unsuitable extinguishing media: High volume water jet

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

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), ignitible mixtures may form in air. Use only explosion-proof equipment.

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: Evacuate personnel to safe areas. Assure sufficient ventilation. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Avoid contact with eyes, skin, and clothing. Use personal protective clothing. Keep away sources of ignition. Do not breathe vapours or spray mist. Wash hands thoroughly with soap and water after handling.

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 heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing mist or vapor. Use only with adequate ventilation. No eating, drinking, smoking, or snuffing tobacco at work. 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. Follow all SDS/label precautions even after the container is emptied. Container hazardous when empty. 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. Keep locked up. The product should only be handled by trained personnel. Use only explosion-proof equipment.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.Refer to section 15 for specific national regulation.

Contact avoidance measures: No data available.

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

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. Keep locked up or in an area accessible only to qualified or authorised persons.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.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Methyl methacrylate	REL	100 ppm 410 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)

	TWA	50 ppm		US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	100 ppm		US. ACGIH Threshold Limit Values, as amended (03 2016)
	PEL	100 ppm	410 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	1,000 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	100 ppm	410 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	100 ppm	410 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	AN ESL		50 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		210 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		210 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		860 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	TWA PEL	50 ppm	205 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	STEL	100 ppm	410 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)

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). Ensure that eyewash stations and safety showers are close to the workstation location.

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: Suitable as spray protection., neoprene gloves

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

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	viscous
Color:	Violet
Odor:	ester-like
Odor Threshold:	No data available.
pH:	Not applicable
Freezing point:	No data available.
Boiling Point:	approx. 100 °C (1,013 hPa) 212 °F
Flash Point:	8.5 °C (DIN 51 755) 47.3 °F (DIN 51 755)
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not applicable
Explosive limit - upper:	12.5 %(V) (methyl methacrylate)
Explosive limit - lower:	2.1 %(V) at 10,5°C / 33,8°F (methyl methacrylate)
Vapor pressure:	approx. 40 hPa (20 °C)
Relative vapor density:	> 1 20 °C 68 °F
Density:	approx. 1.02 g/cm3 (20 °C) (68 °F)
Relative density:	No data available.
Solubility in Water:	approx. 16 g/l (20 °C)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	1.38 (methyl methacrylate)
Self Ignition Temperature:	435 °C (DIN 51794) (methyl methacrylate) Auto Ignition Temperature 815.00 °F The substance or mixture is not classified as pyrophoric.
Decomposition Temperature:	This product is stable under normal storage conditions.
Kinematic viscosity:	No data available.
Dynamic viscosity:	1,600 - 2,000 mPa.s (20 °C, Brookfield) | (68 °F)
Other information	
Explosive properties:	Vapours may form explosive mixtures with air
Oxidizing properties:	No data available.

10. Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions"

Chemical Stability: This product is stable under normal storage conditions.

Possibility of hazardous reactions:	Will not occur under normal conditions. 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.
Conditions to avoid:	Ultraviolet light. Solar radiation, heat, heat exposure, spark formation. Polymerization is also induced by light. 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.
Incompatible Materials:	Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents. Mineral Acid Free radical initiators.
Hazardous Decomposition Products:	None when used as directed.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	May be harmful if inhaled.
Skin Contact:	Causes skin irritation.
Eye contact:	Relevant route of exposure. Information on effects are given below.
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:	No specific symptoms noted.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: Not classified for acute toxicity based on available data.

Dermal
Product: Not classified for acute toxicity based on available data.

Inhalation
Product: Acute toxicity estimate: > 40 mg/l

Repeated dose toxicity
Product: No data available.

Components:
Methyl methacrylate — NOAEL (Rat, Inhalation(Vapour)): 25 ppm

	NOAEL (Rat, Oral): 2000 ppm
Bis(isopropyl) thioperoxydicarbonate	Not classified
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	NOAEL (Rat(male and female), Oral): 50 mg/kg LOAEL (Rat(male and female), Oral): 250 mg/kg

Skin Corrosion/Irritation

Product: No data available.

Components:

Methyl methacrylate	Draize (Rabbit): Irritant
Bis(isopropyl) thioperoxydicarbonate	OECD 404 (Guinea Pig): Irritating.
Pentaerythritol tetra(mercaptoacetate)	OECD 404 Not irritating

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

acrylic copolymer, Polymer	Not irritating

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
acrylic copolymer, Polymer	Not a skin sensitizer. No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.
Bis(isopropyl) thioperoxydicarbonate	, OECD 406 (Guinea Pig)May cause sensitization by skin contact.
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	, Local Lymph Node Assay (LLNA) (Mouse)Skin sensitizer
Pentaerythritol tetra(mercaptoacetate)	Local Lymph Node Assay (LLNA), LLNA (OECD 429) (Mouse): Strong skin sensitizer.

Carcinogenicity

Product: No data available.

Components:

Methyl methacrylate	Not classified
acrylic copolymer, Polymer	An Expert Judgment stated that no classification is necessary based on present knowledge. No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.
Bis(isopropyl) thioperoxydicarbonate	Not classified
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	No evidence that cancer may be caused.
Pentaerythritol tetra(mercaptoacetate)	Not classified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:
No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.

Components:

Methyl methacrylate	positive and negative Not classified
acrylic copolymer, Polymer	Not classified
Bis(isopropyl) thioperoxydicarbonate	(OECD 471)negative
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Not classified
Pentaerythritol tetra(mercaptoacetate)	Not classified

In vivo

Product:	No data available.

Components:

Methyl methacrylate	Micronucleus test (OECD Test Guideline 474) Oral (Mouse): Not classified dominant lethal test Inhalativ (Mouse, male): Not classified
acrylic copolymer, Polymer	Not classified
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Not classified
Pentaerythritol tetra(mercaptoacetate)	Not classified

Reproductive toxicity

Product:	May damage the unborn child. Suspected of damaging fertility.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.

Components:

Methyl methacrylate	Category 3 with respiratory tract irritation.
acrylic copolymer, Polymer	Not classified No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.
Bis(isopropyl) thioperoxydicarbonate	Not classified
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Not classified Based on the information available, organ-specific toxicity is not to be expected after one single exposure.
Pentaerythritol tetra(mercaptoacetate)	Not classified

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.

Components:

Methyl methacrylate	Not classified
acrylic copolymer, Polymer	Not classified No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.
Bis(isopropyl) thioperoxydicarbonate	Not classified
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Not classified
Pentaerythritol tetra(mercaptoacetate)	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
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No toxicity at the limit of solubility
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	LC 50 (Oryzias latipes, 48 h): 6.53 mg/l
Pentaerythritol tetra(mercaptoacetate)	LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): 0.034 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

Methyl methacrylate	EC 50 (Daphnia magna (Water flea), 48 h): 69 mg/l
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No toxicity at the limit of solubility

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	EC 50 (Daphnia magna (Water flea), 48 h): 3.53 mg/l
Pentaerythritol tetra(mercaptoacetate)	EC 50 (Daphnia magna (Water flea), 48 h): > 0.35 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
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No toxicity at the limit of solubility

Aquatic Invertebrates

Product:	No data available.

Components:

Methyl methacrylate	NOEC (Daphnia magna (Water flea), 21 d): 37 mg/l
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No toxicity at the limit of solubility

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
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No toxicity at the limit of solubility
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 2.01 mg/l
Pentaerythritol tetra(mercaptoacetate)	EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 0.12 mg/l

Persistence and Degradability

Biodegradation

Product:	No data available.

Components:

Methyl methacrylate	94 % (14 d, OECD Test Guideline 301C)
acrylic copolymer, Polymer	No data available.
Pentaerythritol tetra(mercaptoacetate)	Inherently biodegradable

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

acrylic copolymer, Polymer	Significant bioaccumulation need not be expected. The product is a high-molecular-weight, water insoluble, solid polymer and therefore as good as not as all bioavailable. No remarkable bioaccumulation is to be expected account of the low bioavailability.
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Cyprinus carpio, Bioconcentration Factor (BCF): 23 - 55 Does not significantly accumulate in organisms.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: 1.38 (methyl methacrylate)

Mobility in soil: No data available.

Components:

Methyl methacrylate	No data available.
acrylic copolymer, Polymer	No data available.
Bis(isopropyl) thioperoxydicarbonate	No data available.
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Substance does not evaporate from water surface into the atmosphere. Binding to the solid soil phase, sediment or clarification sludge is not expected.
Pentaerythritol tetra(mercaptoacetate)	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 ecotoxicological data is available for this product.

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. Roehm encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.

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):

Chemical Identity
2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

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

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

Chemical Identity	% by weight
Methyl methacrylate	1.0%

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

Chemical Identity
Methyl methacrylate

US. Massachusetts RTK - Substance List

Chemical Identity
Methyl methacrylate

US. Pennsylvania RTK - Hazardous Substances

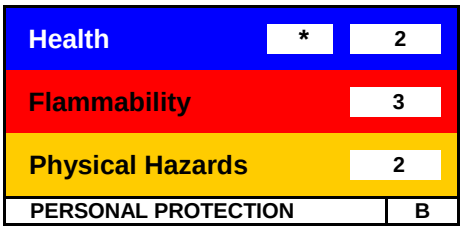
Chemical Identity
Methyl methacrylate

US. Rhode Island RTK

Chemical Identity
Methyl methacrylate

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

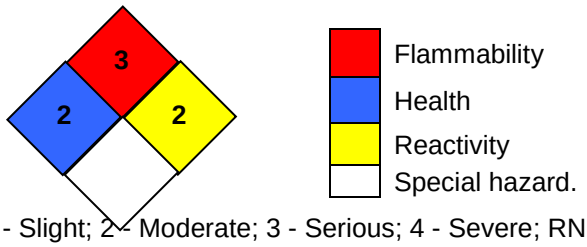
HMIS Hazard ID



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:	09/09/2020
Version #:	1.4
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.
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