





# Safety Data Sheet

Version 7.0  
Revision Date: 29/08/2019

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **Poly(acryloxypropyl methyl siloxane)**  
Product abbreviation: AcPrMS  
Product use: For laboratory research purposes.  
Supplier / Manufacturer: Polymer Source, Inc.  
Address: 124 Avro street, Dorval (Montreal), Quebec H9P 2X8, Canada  
Telephone: (+1) 514-421-5517  
Toll free: 1-866-422-9842  
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## 2. HAZARDS IDENTIFICATION

Emergency overview: WHMIS classification: Not rated.  
GHS classification: Serious eye damage / eye irritation (Category 2A)  
Reproductive toxicity (Category 2)  
GHS Label elements, including precautionary statements:  
Pictogram:    
Signal word: Warning  
Hazard statements: H319. Causes serious eye irritation.  
H361. Suspected of damaging fertility or the unborn child.  
Precautionary statements: P201. Obtain special instructions before use.  
P202. Do not handle until all safety precautions have been read and understood.  
P264. Wash skin thoroughly after handling.  
P280. Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338. *IF IN EYES:*  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313. *If exposed or concerned:*  
Get medical advice/attention.  
P337+P313. *If eye irritation persists:*  
Get medical advice/attention.  
P405. Store locked up.

		P501. Dispose of contents/container to licensed waste disposal facility.
HMIS classification:	Health hazard:	0
	Flammability:	0
	Physical hazards:	0
Potential health effects:	Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
	Skin:	May be harmful if absorbed through skin. May cause skin irritation. Allergic sensitization may occur. Avoid any direct contact with the product.
	Eyes:	Causes serious eye irritation.
	Ingestion:	Harmful if swallowed.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Formula:	Poly(acryloxypropylmethylsiloxane):	[C <sub>7</sub> H <sub>12</sub> O <sub>3</sub> Si] <sub>n</sub>
Synonyms:	Acrylate functional silicone oil	
Concentration:	≤ 100%	
CAS registry number:	Poly(acryloxypropylmethylsiloxane):	n/a
	(Acryloxypropyl)methylsiloxane–dimethylsiloxane copolymer:	158061-40-6

### 4. FIRST AID MEASURES

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General advice:	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
If inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
In case of skin contact:	Wash with plenty of soap and water. Get medical advice/attention.
In case of eye contact:	Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical advice/attention.

### 5. FIRE-FIGHTING MEASURES

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Conditions of flammability:	no data available
Suitable extinguishing media:	Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Special protective equipment for firefighters:	Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.  Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.

Hazardous combustion products:

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Hazardous decomposition products formed under fire conditions: Carbon oxides, Silicon oxides.

Explosion data:

Sensitivity to mechanical impact: no data available

Sensitivity to static discharge: no data available

## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Clean up any spills as soon as possible, using an absorbent material to collect it. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

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Precautions for safe handling:

Obtain special instructions before use. Avoid all eye and skin contact and do not breathe vapor and mist. Do not handle until all safety precautions have been read and understood. Use only in well ventilated areas.

Hygiene measures:

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage:

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Personal protective equipment:

- Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

- Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and body protection: Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Specific engineering controls: Use mechanical exhaust or laboratory fumehood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Form:	Liquid
	Colour:	Clear / Colorless to pale yellow
Safety data:	pH:	no data available
	Melting point / Freezing point:	< -60°C (lit.)
	Boiling point:	> 205°C (lit.)
	Flash point:	205°C (lit.)
	Ignition temperature:	no data available
	Auto-ignition temperature:	no data available
	Lower explosion limit:	no data available
	Upper explosion limit:	no data available
	Vapour pressure:	no data available
	Density:	no data available
	Water solubility:	insoluble
	Partition coefficient: n-octanol/water:	no data available
	Relative vapour density:	no data available
	Odour:	no data available
	Odour threshold:	no data available
	Evaporation rate:	no data available

## 10. STABILITY AND REACTIVITY

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Chemical stability:	Stable below 20°C away from light and radical sources.
Possibility of hazardous reactions:	Non-hazardous polymerization may occur.
Conditions to avoid:	Heat, open flame, sparks.
Materials to avoid:	Oxidizing agents.
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions: Carbon oxides, Silicon oxides.  Other decomposition products: organioc acid vapors.

## 11. TOXICOLOGICAL INFORMATION

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Acute toxicity:	Oral LD50:	no data available
	Inhalation LC50:	no data available
	Dermal LD50:	no data available
	Other information on acute toxicity:	no data available
Skin corrosion/irritation:	no data available	
Serious eye damage/eye irritation.	no data available	
Respiratory or skin sensitization:	no data available	
Germ cell mutagenicity:	no data available	
Reproductive toxicity:	Suspected of damaging fertility or the unborn child	
Carcinogenicity:	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Reproductive toxicity:	no data available	
Teratogenicity:	no data available	
Specific target organ toxicity:	Single exposure (GHS):	no data available
	Repeated exposure (GHS):	no data available
Aspiration hazard:	no data available	
Potential health effects:	Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
	Ingestion:	Harmful if swallowed.
	Skin:	May be harmful if absorbed through skin. May cause skin irritation. Allergic sensitization may occur. Avoid any direct contact with the product.
	Eyes:	Causes serious eye irritation.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
Synergistic effects:	no data available	
Additional information:	RTECS:	no data available

## 12. ECOLOGICAL INFORMATION

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Toxicity:	no data available
Persistence and degradability:	no data available
Bioaccumulative potential:	no data available
Mobility in soil:	no data available
PBT and vPvB assessment:	no data available

Other adverse effects:           An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

### **13. DISPOSAL CONSIDERATIONS**

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Product:                           Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:       Dispose of as unused product.

### **14. TRANSPORT INFORMATION**

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DOT (US):                       Not dangerous goods.

IMDG:                           Not dangerous goods.

IATA:                            Not dangerous goods.

### **15. REGULATORY INFORMATION**

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WHMIS classification:       Not rated.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### **16. OTHER INFORMATION**

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Date of the latest revision:   29 August 2019

Further information:       The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Polymer Source, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.polymersource.ca](http://www.polymersource.ca) for additional terms and conditions of sale.