

**(METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer**

Safety Data Sheet RMS-992

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**SECTION 1: Identification****1.1. Identification**

Product name : (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer  
 Product code : RMS-992  
 Product form : Substance  
 Physical state : Liquid  
 Synonyms : 2-PROPENOIC ACID, 2-METHYL-, 3-(DIMETHOXYMETHYLSILYL)PROPYL ESTER, HYDROLYZED POLY(METHACRYLOXYPROPYLMETHYLSILOXANE), MIXED CYCLICS and SILANOL TERMINATED OLIGOMERS  
 Chemical family : ORGANOSILOXANE

**1.2. Recommended use and restrictions on use**

Recommended use : Chemical intermediate

**1.3. Supplier****GELEST, INC.**

11 East Steel Road  
 Morrisville, PA 19067

**USA**

T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST

[info@gelest.com](mailto:info@gelest.com) - [www.gelest.com](http://www.gelest.com)

**1.4. Emergency telephone number**

Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****GHS-US classification**

Serious eye damage/eye irritation Category 2B H320 Causes eye irritation

Full text of H statements : see section 16

**2.2. GHS Label elements, including precautionary statements****GHS US labeling**

Signal word (GHS US) : Warning  
 Hazard statements (GHS US) : H320 - Causes eye irritation  
 Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337+P313 - If eye irritation persists: Get medical advice/attention.

**2.3. Hazards not otherwise classified (HNOC)**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**SECTION 3: Composition/Information on ingredients****3.1. Substances**

Substance type : Polymer  
 Name : (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer  
 CAS-No. : 1614238-37-7

| Name  | Product identifier     | %        | GHS-US classification |
|---|------------------------|----------|-----------------------|
| (Methacryloxypropyl)methylsiloxane, homopolymer | (CAS-No.) 1614238-37-7 | 95 - 100 | Eye Irrit. 2B, H320   |

Full text of hazard classes and H-statements : see section 16

**3.2. Mixtures**

Not applicable

# (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer

## Safety Data Sheet

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : 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. |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.  |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Get medical advice/attention.  |
| First-aid measures after eye contact  | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.  |
| First-aid measures after ingestion    | : Never give anything by mouth to an unconscious person. Get medical advice/attention.   |

#### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : No information available.                                    |
| Symptoms/effects after skin contact | : May cause skin irritation. Allergic sensitization may occur. |
| Symptoms/effects after eye contact  | : Causes eye irritation.                                       |
| Symptoms/effects after ingestion    | : No information available.                                    |

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical. |
| Unsuitable extinguishing media | : None known.   |

#### 5.2. Specific hazards arising from the chemical

|             |   |
|-------------|---|
| Fire hazard | : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. |
|-------------|---|

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.  |
| Protection during firefighting | : 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. |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : Wear protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel.                      |

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|--|

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| For containment         | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Clean up any spills as soon as possible, using an absorbent material to collect it.                |

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Avoid all eye and skin contact and do not breathe vapor and mist.  |
| 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. |

#### 7.2. Conditions for safe storage, including any incompatibilities

|                        |   |
|------------------------|---|
| Storage conditions     | : Keep container tightly closed. Store cold.              |
| Incompatible materials | : Oxidizing agent.  |
| Storage area           | : Store in a well-ventilated place. Store away from heat. |

# (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer

## Safety Data Sheet

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

##### Hand protection:

Neoprene or nitrile rubber gloves

##### Eye protection:

Chemical goggles. Contact lenses should not be worn

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                       |
|---|-----------------------|
| Physical state                              | : Liquid              |
| Appearance                                  | : Clear liquid.       |
| Molecular mass                              | : 650 - 1000 g/mol    |
| Color                                       | : Straw.              |
| Odor  | : No data available   |
| Odor threshold                              | : No data available   |
| Refractive index                            | : 1.464               |
| pH  | : No data available   |
| Relative evaporation rate (butyl acetate=1) | : No data available   |
| Melting point                               | : < -62 °C            |
| Freezing point                              | : No data available   |
| Boiling point                               | : > 205 °C            |
| Flash point                                 | : > 110 °C            |
| Auto-ignition temperature                   | : No data available   |
| Decomposition temperature                   | : No data available   |
| Flammability (solid, gas)                   | : No data available   |
| Vapor pressure                              | : No data available   |
| Relative vapor density at 20 °C             | : No data available   |
| Relative density                            | : 0.99                |
| % Volatiles                                 | : < 5 %               |
| Solubility                                  | : Insoluble in water. |
| Log Pow                                     | : No data available   |
| Log Kow                                     | : No data available   |
| Viscosity, kinematic                        | : 75 - 125 cSt        |
| Viscosity, dynamic                          | : No data available   |
| Explosive properties                        | : No data available   |
| Oxidizing properties                        | : No data available   |
| Explosion limits                            | : No data available   |

#### 9.2. Other information

No additional information available

# (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer

## Safety Data Sheet

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable below 20°C away from light and radical sources.

#### 10.3. Possibility of hazardous reactions

Non-hazardous polymerization can occur.

#### 10.4. Conditions to avoid

Heat. Open flame. Sparks.

#### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

Organic acid vapors. Silicon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|  |  |
|--|--|
| Acute toxicity                                     | : Not classified   |
| Skin corrosion/irritation                          | : Not classified   |
| Serious eye damage/irritation                      | : Causes eye irritation.   |
| Respiratory or skin sensitization                  | : Not classified   |
| Germ cell mutagenicity                             | : Not classified   |
| Carcinogenicity                                    | : Not classified   |
|  | None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. |
| Reproductive toxicity                              | : Not classified   |
| Specific target organ toxicity – single exposure   | : Not classified   |
| Specific target organ toxicity – repeated exposure | : Not classified   |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/effects after inhalation                  | : No information available.  |
| Symptoms/effects after skin contact                | : May cause skin irritation. Allergic sensitization may occur.   |
| Symptoms/effects after eye contact                 | : Causes eye irritation.   |
| Symptoms/effects after ingestion                   | : No information available.  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|  |   |
|--|---|
| Sewage disposal recommendations            | : Do not dispose of waste into sewer.   |
| Product/Packaging disposal recommendations | : Incinerate. Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | : Avoid release to the environment.   |

# (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer

## Safety Data Sheet

### SECTION 14: Transport information

#### 14.1. UN number

Not regulated for transport.

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Additional information

Other information : No supplementary information available.

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer (1614238-37-7)

TSCA Exemption/Exclusion

Low Volume Exemption in accordance with 40 CFR 723.50(c)(1). Anyone who intends to use this chemical substance for commercial purposes must comply with specific use restrictions and controls specified herein. This LVE limits site of manufacture of this substance to Gelest, Inc. unless otherwise approved by U.S. EPA

##### (Methacryloxypropyl)methylsiloxane, homopolymer (1614238-37-7)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

Full text of H-phrases::

H320

Causes eye irritation

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

#### Hazard Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Prepared by safety and environmental affairs.

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EN (English US)

SDS ID: RMS-992

5/6

# (METHACRYLOXYPROPYL)METHYLSILOXANE, homopolymer

## Safety Data Sheet

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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