

**SAFETY DATA SHEET**

**1. Identification**

**Product Identifier:** EM-116

**Other means of Identification**

**Synonyms:** POLYSILOXANE

**Additional Identification:**

**Chemical Name:** POLYDIMETHYLSILOXANE 60% WATER 40%

**CAS-No:** 68083-19-8

**Recommended use and restrictions on use**

**Recommended use:** Lubricant

**Restrictions on use:** None known

**Manufacturer/Importer/Supplier/Distributor Information**

**Supplier**

**Company name:** Custom Silicone Mixing LLC

**Address:** 108 Zion Hill Rd  
Fincastle, VA 24090

**Telephone:** (330) 339-5046

**Fax:**

**Emergency Telephone Number:** (330) 339-5046

**2. Hazard(s) Identification**

**Hazard Classification**

Not a hazardous substance or mixture according to GHS.

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary**

**Statement**

**Prevention:** Not applicable

**Response:** Not applicable

**Storage:** Not applicable

**Disposal:** Not applicable

**Other hazards which do not result in GHS classification:** No data available

**3. Composition/Information on ingredients**

**Substances**

**General Information:**

**INDEX No:**  
**CAS-No:** 63148-62-9  
**EC No:**  
**REACH Registration No:**  
**Purity:**  
**Synonyms:**

**4. First Aid Measures:**

**General Information:** For further information refer to section 8 "Exposure-controls/personal protection".

**Ingestion:** If swallowed, give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have medical personnel determine if vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or breathing becomes difficult.

**Skin Contact:** Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Wash clothing before reuse. Obtain medical attention if irritation occurs.

**Eye Contact:** In case of contact, flush eyes well with water for 15 minutes. Obtain medical attention if irritation occurs.

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

**Symptoms:** None known.  
**Hazards:** No specific Recommendations.

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

**Treatment:** No Specific Recommendations

**5. Fire-fighting measures**

|  |  |
|--|--|
| <b>General Fire Hazards:</b>   | No specific recommendations  |
| <b>Suitable (and unsuitable) extinguishing media</b>                 |  |
| <b>Suitable extinguishing media:</b>                                 | Dry chemical, alcohol resistant foam or carbon dioxide (CO2).  |
| <b>Unsuitable extinguishing media:</b>                               | Do not use water jet as extinguisher as this will spread the fire.   |
| <b>Specific hazards arising from the chemical:</b>                   | Product will burn under fire conditions.   |
| <b>Hazardous decomposition products:</b>                             | Formaldehyde, oxides of carbon and silica.   |
| <b>Special protective equipment and precautions for firefighters</b> |  |
| <b>Special firefighting procedures:</b>                              | Water spray should be used to cool containers.   |
| <b>Special protective equipment:</b>                                 | Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep the fire exposed containers cool and disperse vapors. |

**6. Accidental release measures**

|   |   |
|---|---|
| <b>Personal Precautions, protective equipment and emergency procedures:</b> |   |
|   | Use personal protective equipment. Safety glasses and rubber gloves are recommended.  |
|   | Wash hands and skin with soap and water thoroughly after exposure.  |
|   | Keep food separate from areas where material is used or stored.   |
|   | If swallowed drink water, but do not induce vomiting. If symptoms occur contact medical personal for further action.          |
|   | If material contacts eyes, wash with water for several minutes. Obtain medical attention if irritation persists.              |
| <b>Methods and material for containment and cleaning up:</b>                |   |
|   | Absorb with inert material such as sand, floor dry, or fullers earth. Scrape up and place in appropriate closed container.    |
| <b>Notification Procedures:</b>   | Caution: contaminated surfaces may be slippery. Dispose of unused material according to Federal, State and local regulations. |

**Environmental Precautions:**

Do not allow to enter drains, sewers, or watercourses.

## 7. Handling and storage

**Precautions for safe handling:**

Safety glasses and rubber gloves are recommended. For further information refer to section 10, "Stability and Reactivity".

**Conditions for safe storage including any incompatibilities:**

Store in tightly closed original container in a dry, cool, well ventilated place.

## 8. Exposure controls/personal protection

**Control Parameters:**

**Occupational exposure limits:**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:**

No specific recommendations

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

**General information:**

Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

**Eye/Face Protection:**

Wear approved safety glasses.

**Skin Protection:**

Hand Protection:

Protective gloves are recommended.

Other:

Wear suitable protective clothing.

**Respiratory Protection:**

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Hygiene Measures:**

Always observe good personal hygiene measures such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties:**

**Appearance:**

**Physical State:** Liquid  
**Form:** Viscous  
**Color:** White

**Odor:**

Mild

**Odor Threshold:**

No data available

**pH:**

Not applicable

**Melting point/freezing point:**

-67 degrees F (-55 degrees C) Approximate

**International Inventories:**

No data available

**Flash Point:**

No data available

**Evaporation Rate:**

No data available

**Flammability (solid/gas)**

No data available

**Upper Limit (%)**

No data available

**Lower Limit (%)**

No data available

**Vapor Pressure:**

No data available

**Vapor Density:**

No data available

**Relative density:**

No data available

**Solubility (ies):**

**In water:**

Soluble

**Other:**

Acetone: Slightly Soluble  
 Ethanol: Slightly Soluble  
 Diethylether: Miscible (in all proportions)  
 Aliphatic hydrocarbons: Miscible (in all proportions)  
 Aromatic hydrocarbons: Miscible (in all proportions)  
 Chlorinated solvents: Miscible (in all proportions)

**Partition coefficient (n-octanol/water)**

No data available

**Auto-ignition temperature:**

>752 Degrees F (400 degrees C)

**Decomposition Temperature:**

>392 degrees F (200 degrees C)

**Viscosity:**

200 CPS (77degrees F, 25 degrees C)

**Other Information:**

**Oxidizing properties:**

According to the data on the components not considered as oxidizing (evaluation by structure-activity relationship).

**10. Stability and reactivity**

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No data available   |
| <b>Chemical stability:</b>                 | Stable  |
| <b>Possibility of hazardous reactions:</b> | Will not occur  |
| <b>Conditions to avoid:</b>                | None Known  |
| <b>Incompatible materials:</b>             | Strong oxidizers, strong acids, strong bases.                             |
| <b>Hazardous Decomposition Products:</b>   | SiO <sub>2</sub> , CO, CO <sub>2</sub> and various hydrocarbon fragments. |

**11. Toxicological Information**

**Information on likely routes of exposure:**

|                      |                   |
|----------------------|-------------------|
| <b>Ingestion:</b>    | No data available |
| <b>Inhalation:</b>   | No data available |
| <b>Skin contact:</b> | No data available |
| <b>Eye contact:</b>  | No data available |

**Symptoms related to physical, chemical, and toxicological characteristics**

|                      |                   |
|----------------------|-------------------|
| <b>Ingestion:</b>    | No data available |
| <b>Inhalation:</b>   | No data available |
| <b>Skin contact:</b> | No data available |
| <b>Eye contact:</b>  | No data available |

**Information on toxicological effects:**

**Acute toxicity (list all possible routes of exposure):**

|                            |                   |
|----------------------------|-------------------|
| <b>Oral product:</b>       | No data available |
| <b>Dermal product:</b>     | No data available |
| <b>Inhalation product:</b> | No data available |

**Repeated dose toxicity product:** No data available

**Skin corrosion/irritation product:** No data available

**Serious eye damage/  
Eye irritation product:** No data available

**Respiratory or  
Skin sensitization product:** No data available

**Carcinogenicity product:** No data available

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

No carcinogenic components identified

**US National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity:**

**In vitro product:** No effects expected (assessment based on ingredients)

**In vivo Product:** No data available

**Reproductive Toxicity Product:** No data available

**Specific Target Organ Toxicity**

**Single exposure product:** No data available

**Repeated exposure product:** No data available

**Aspiration hazard product:** No data available

**Other effects:** No data available

|                                   |
|-----------------------------------|
| <b>12. Ecological Information</b> |
|-----------------------------------|

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish Product:** LC 50 (fish, 96 h): Not considered toxic to fish.

**Aquatic invertebrate product:** EC 50 (sediment invertebrates, 48 h): not expected to be harmful to aquatic organisms.

**Chronic hazards to aquatic environments:**

**Fish product:** No data available

**Aquatic invertebrate product:** No data available

**Toxicity to aquatic plants product:** EC 50 (72h): Not expected to be harmful to aquatic organisms.

NOEC (72h): Not expected to be harmful to aquatic organisms.

**Persistence and Degradability:**

**Biodegradation product:** This product is readily biodegradable.

**BOD/COD Ratio Product:** No data available

**Bioaccumulative Potential:**

**Bioconcentration Factor (BCF) Product:** This product is not bioaccumulating.

**Partition coefficient n-octanol/water (log Kow) product:**  
No data available

**Mobility in Soil:** No data available

**Other adverse effects:** No data available

**13. Disposal Considerations**

**Disposal Instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**14. Transport Information**

**This material is not subject to transport regulations.**

**Environmental Hazards:** Not regulated.  
**Special precautions for user:** No special precautions.

**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.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
None present or none present in regulated quantities.

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

Acute (immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**  
None present or none present in regulated quantities.



**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**

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.

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

None present or none present in regulated quantities.

**US State Regulations**

**US California Proposition 65**

No ingredient regulated by CA prop 65 present.

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

No ingredient regulated by NJ Right to Know Law present.

**US Massachusetts RTK - Substance List**

No ingredient regulated by MA Right to Know Law present.

**US Pennsylvania RTK – Hazardous Substance**

No ingredient regulated by PA Right to Know Law present.

**US Rhode Island RTK**

No ingredient regulated by RI Right to Know Law present.

**Inventory Status:**

|   |  |
|---|--|
| <b>Australia AICS:</b>                          | On or in compliance with the inventory |
| <b>Canada DSL Inventory List:</b>               | On or in compliance with the inventory |
| <b>EINECS, ELINCS or NLP:</b>                   | On or in compliance with the inventory |
| <b>Japan (ENCS) list:</b>                       | On or in compliance with the inventory |
| <b>China Inv. Existing Chemical Substances:</b> | On or in compliance with the inventory |
| <b>Korea Existing Chemicals Inv. (KECI)</b>     | On or in compliance with the inventory |
| <b>Philippines PICCS:</b>                       | On or in compliance with the inventory |
| <b>US TSCA Inventory:</b>                       | On or in compliance with the inventory |

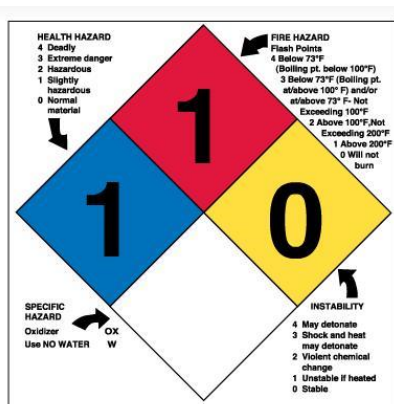
**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

B – Safety Glasses & Gloves

Hazard Rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; \*Chronic health effect

**NFPA Hazard ID**



Issue Date:  
Revision  
Version #:  
Further  
Disclaimer:

|                            |          |
|----------------------------|----------|
| <b>Health</b>              | <b>1</b> |
| <b>Flammability</b>        | <b>1</b> |
| <b>Physical Hazard</b>     | <b>0</b> |
| <b>Personal Protection</b> | <b>B</b> |

Date: 12/20/2018  
Date: 12/20/2018  
1.0  
Information: No data available

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. The information should be used to make an independent determination of the methods to safeguard workers and the environment.