Shandong Silico Silicone Materials Co., Ltd.
Address: Daiyue Industrial Area, Taian City, Shandong, China
Tel: +86-0538-5071566 ZIP: 271500
Email: info@silicorex.com Website: https://silicorex.com

Silico® MF2020-1000 Silicone Fluid

SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the Substance and of the Company

Product Identifier

Product Name: Silico® MF2020-1000 Silicone Fluid

Chemical Name: Polydimethylsiloxane (PDMS)

CAS Number: 9006-65-9 / 63148-62-9 / 9016-00-6

Product Type: High-viscosity industrial silicone fluid

Relevant Identified Uses

Industrial PDMS silicone fluid designed for use as a lubricant, release agent, damping fluid, electrical insulation medium, and surface treatment agent in industrial applications.

Uses Advised Against

Not intended for food, pharmaceutical, cosmetic, or medical applications unless specifically approved and certified.

Supplier Information:

Company: Silico® Silicone / Daiyue Industrial Area, Taian, Shandong, China

Email: info@silicorex.com

Emergency Contact: +86-0538-5071566

Website: www.silicorex.com

SECTION 2: Hazard Identification

Classification According to GHS / CLP / OSHA
This product is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008 (CLP), GHS, or OSHA HCS standards.

Label Elements

- Signal Word: None
- Hazard Pictograms: None
- Hazard Statements: Not applicable

Other Hazards
No additional hazards are known under normal conditions of industrial use.

SECTION 3: Composition / Information on Ingredients

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Substance Description
Linear polydimethylsiloxane (PDMS) silicone polymer.

Component	Polydimethylsiloxane
CAS No.	9006-65-9 / 63148-62-9 / 9016-00-6
Concentration	≥ 99%

This Silico silicone fluid does not contain hazardous impurities above regulatory disclosure thresholds.

SECTION 4: First Aid Measures

General Information
In case of adverse effects, seek medical advice and present this SDS to medical personnel.

Inhalation
Move affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact
Wash exposed skin thoroughly with soap and water. Remove contaminated clothing.

Eye Contact
Rinse cautiously with clean water for several minutes. Seek medical advice if irritation continues.

Ingestion
Rinse mouth with water. Do not induce vomiting. Seek medical attention if discomfort occurs.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media
Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO_2).

Unsuitable Extinguishing Media
High-pressure water jet.

Hazardous Combustion Products
Thermal decomposition may generate carbon oxides and silicon oxides.

Protective Equipment for Firefighters
Self-contained breathing apparatus and full protective equipment are recommended.

SECTION 6: Accidental Release Measures

Personal Precautions
Avoid contact with skin and eyes. Wear appropriate personal protective equipment.

Environmental Precautions
Prevent uncontrolled release into drains, surface waters, or soil.

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Methods for Containment and Cleaning Up
Absorb spills with inert material such as sand or earth. Collect mechanically and dispose of according to local regulations.

SECTION 7: Handling and Storage

Handling Precautions
Avoid the formation of mist or aerosols. Follow standard industrial hygiene practices.

Storage Conditions
Store in tightly closed containers in a cool, dry, and well-ventilated area. Protect from excessive heat and direct sunlight.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls
Ensure adequate ventilation, especially in areas where aerosol formation may occur.

Personal Protective Equipment (PPE)

- Respiratory Protection: Not normally required; use appropriate respirator if mist is generated
- Eye Protection: Safety goggles
- Skin Protection: Chemical-resistant gloves

Hygiene Measures
Wash hands thoroughly after handling. Eating, drinking, and smoking should be prohibited in work areas.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Clear, colorless liquid
Odor	Odorless
pH	Neutral (~7)
Melting / Freezing Point	< −50 °C
Boiling Point	> 200 °C
Flash Point	> 130 °C
Vapor Pressure	Negligible
Density (25 °C)	~0.97 g/cm³
Solubility	Insoluble in water
Viscosity (25 °C)	~1000 cSt

Typical physical properties of high-viscosity PDMS silicone oil.

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SECTION 10: Stability and Reactivity

Chemical Stability
Stable under recommended storage and handling conditions.

Conditions to Avoid
Extreme heat, open flames, and prolonged exposure to high temperatures.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
Under fire conditions, carbon oxides and silicon oxides may be released.

SECTION 11: Toxicological Information

Based on available data for similar industrial silicone fluids, this product demonstrates low acute toxicity and is not expected to cause skin or eye irritation or sensitization under normal industrial use.

SECTION 12: Ecological Information

- Aquatic Toxicity: Not expected to be harmful at environmental concentrations
- Persistence and Degradability: Not readily biodegradable
- Bioaccumulative Potential: Low
- Mobility in Soil: Low; insoluble in water and tends to adsorb to soil

SECTION 13: Disposal Considerations

Dispose of product and packaging in accordance with applicable local, regional, and national regulations. Avoid environmental release.

SECTION 14: Transport Information

Not classified as dangerous goods for transport.

UN Number: Not applicable
Transport Hazard Class: None
Packing Group: None

SECTION 15: Regulatory Information

This product complies with applicable chemical safety regulations including GHS, CLP, and OSHA HCS. No additional labeling requirements apply.

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SECTION 16: Other Information

The information provided in this SDS is based on current knowledge and is believed to be accurate. Users are responsible for determining suitability for their intended application.