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® MF2020-350 Industrial Silicone Fluid

SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the Substance and of the Company

1.1 Product Identifier

Trade Name: Silico® MF2020-350 Silicone Fluid

Chemical Name: Polydimethylsiloxane (PDMS)

CAS Number: 9006-65-9 / 63148-62-9

Molecular Structure: Linear silicone polymer

1.2 Relevant Identified Uses

Industrial applications such as lubrication, damping fluid, release agent, electrical insulation fluid, surface treatment agent, and process aid in chemical, mechanical, and manufacturing industries.

Uses Advised Against
Any use involving food, pharmaceuticals, cosmetics, or medical devices unless explicitly approved.

1.3 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

2.1 Classification of the Substance

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) and GHS criteria.

2.2 Label Elements

- Signal Word: Not required
- Hazard Statements: Not applicable
- Precautionary Statements: Observe standard industrial hygiene and safety practices.

2.3 Other Hazards

No additional hazards identified under normal conditions of handling and use.

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SECTION 3: Composition / Information on Ingredients

3.1 Substance Information

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

This product contains no hazardous substances above applicable regulatory disclosure thresholds.

SECTION 4: First-Aid Measures

General Information:

If adverse symptoms occur or persist, seek medical advice and present this SDS.

- Inhalation: Move exposed person to fresh air.
- Skin Contact: Wash with soap and plenty of water.
- Eye Contact: Rinse cautiously with clean water for several minutes.
- Ingestion: Rinse mouth; do not induce vomiting.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media:
Foam, dry chemical powder, carbon dioxide (CO_2), water mist.

Specific Hazards:
Combustion may generate carbon oxides and silicon oxides.

Protective Equipment:
Firefighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental Release Measures

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

Environmental Precautions:
Prevent entry into drains, surface waters, or soil.

Methods for Cleaning Up:
Absorb with inert material and dispose of in accordance with local regulations.

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SECTION 7: Handling and Storage

Handling:
Avoid formation of aerosols. Ensure adequate ventilation in working areas.

Storage:
Store in tightly sealed original containers in a cool, dry, and well-ventilated location away from heat sources.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls:
Local exhaust ventilation recommended where mist formation is possible.

Personal Protective Equipment:

Eye Protection: Safety goggles

Hand Protection: Chemical-resistant gloves

Respiratory Protection: Not normally required under standard conditions

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Clear, colorless liquid
Odor	Odorless
Density (25 °C)	~0.97 g/cm³
Flash Point	> 300 °C
Boiling Point	> 200 °C
Vapor Pressure	Negligible
Water Solubility	Insoluble
Viscosity (25 °C)	~350 cSt
Solubility	Insoluble in water

Typical values for high-viscosity PDMS industrial silicone fluids.

SECTION 10: Stability and Reactivity

- Chemical Stability: Stable under normal storage and handling conditions
- Conditions to Avoid: Excessive heat, open flame
- Incompatible Materials: Strong oxidizing agents
- Hazardous Decomposition Products: Carbon oxides and silicon oxides

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SECTION 11: Toxicological Information

Based on available data for polydimethylsiloxane silicone fluids, acute toxicity is low. No significant adverse health effects are expected under normal industrial use.

SECTION 12: Ecological Information

- Not readily biodegradable
- Low aquatic toxicity
- Low bioaccumulation potential
- Insoluble in water; adsorbs to soil and sediment

SECTION 13: Disposal Considerations

Dispose of contents and container in accordance with local, regional, and national environmental regulations.

SECTION 14: Transport Information

Not classified as dangerous goods under ADR, IMDG, IATA, or RID regulations.

SECTION 15: Regulatory Information

This product complies with applicable chemical safety regulations, including REACH, CLP, and GHS.

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SECTION 16: Other Information

The information provided in this Safety Data Sheet is based on current knowledge and is intended for guidance on safe handling, use, and storage.