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® MF2020-200 Silicone Fluid

SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the Substance and of the Company

1.1 Product Identifier

Trade Name: Silico® MF2020-200 Silicone Fluid

Chemical Name: Polydimethylsiloxane (PDMS)

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

Chemical Description: Linear silicone polymer

1.2 Relevant Identified Uses

Industrial silicone fluid used as lubrication oil, damping fluid, release agent, electrical insulation fluid, surface treatment agent, and general-purpose process aid in industrial manufacturing.

Uses Advised Against
Applications involving food, pharmaceuticals, cosmetics, or medical devices unless specifically approved and certified.

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 product is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) and the Globally Harmonized System (GHS).

2.2 Label Elements

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

2.3 Other Hazards

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

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SECTION 3: Composition / Information on Ingredients

3.1 Substance

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

Inhalation: Move to fresh air.

- Skin Contact: Wash thoroughly with soap and 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:
Carbon dioxide (CO_2), dry chemical powder, foam, water mist.

Specific Hazards:
Thermal decomposition may produce carbon oxides and silicon oxides.

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

SECTION 6: Accidental Release Measures

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

Environmental Precautions:
Prevent material from entering drains, waterways, 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 work areas.

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

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls:
Adequate general or local exhaust ventilation recommended.

Personal Protective Equipment:

Eye Protection: Safety goggles

Hand Protection: Chemical-resistant gloves

Respiratory Protection: Not normally required under standard industrial conditions

Hygiene Measures:
Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas.

SECTION 9: Physical and Chemical Propertiesff

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)	~200 cSt
Solubility	Insoluble in water

Typical values for high-viscosity PDMS industrial silicone fluids.

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SECTION 10: Stability and Reactivity

Chemical Stability: Stable under normal storage and handling conditions

Conditions to Avoid: Excessive heat, open flames

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides and silicon oxides

SECTION 11: Toxicological Information

Based on available data for polydimethylsiloxane silicone fluids, acute toxicity is low. No significant adverse health effects are expected during 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 containers in accordance with applicable local, regional, and national regulations.

SECTION 14: Transport Information

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

SECTION 15: Regulatory Information

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

SECTION 16: Other Information

The information contained in this SDS is based on current knowledge and is provided for guidance on safe handling, use, and storage.