

Silico® MF2020-10000 Silicone Fluid

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company

Product identifier

Product Name: Silico® MF2020-10000 Silicone Fluid
Chemical Name: Polydimethylsiloxane
CAS-No.: 63148-62-9 / 9006-65-9 / 9016-00-6 (typical PDMS identifiers)

Relevant identified uses & restrictions

Recommended use: Industrial silicone fluid for lubrication, release agent, damping, electrical insulation.
Uses advised against: Not for human consumption; not for medical or food applications without appropriate certification.

Supplier details

Company: Silico® Silicone / Daiyue Industrial Area, Taian, Shandong, China
Email: info@silicorex.com
Emergency Telephone Number: +86-0538-5071566

SECTION 2: Hazard identification

Classification (GHS/CLP/OSHA)

This substance is not classified as hazardous according to GHS criteria; no classified health or physical hazards under normal conditions of use.

Label elements

- Signal Word: None required
- Hazard Statements: None required
- Precautionary Statements: Standard industrial hygiene practices recommended.

Other hazards: None known under normal conditions.

SECTION 3: Composition / Information on ingredients

Substance

Chemical characteristics: Linear polydimethylsiloxane (PDMS) polymer.

Hazardous ingredients:

This product does not contain components above hazardous regulatory thresholds that require declaration.

SECTION 4: First aid measures

General advice

In case of accident or if unwell, seek medical advice (show SDS when possible).

After inhalation

Move to fresh air. If breathing is difficult, administer oxygen and seek medical attention.

After contact with skin

Wash off with soap and plenty of water. Remove contaminated clothing. Seek medical advice if irritation persists.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing. Seek medical attention if irritation continues.

After swallowing

Rinse mouth. Do NOT induce vomiting. Get medical advice if symptoms occur.

SECTION 5: Firefighting measures

Suitable extinguishing media

Water spray, foam, dry powder, carbon dioxide.

Unsuitable extinguishing media

Water jet.

Special hazards

In case of fire, hazardous gases such as carbon oxides and silicon oxides may form.

Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

Personal precautions

Avoid breathing vapors, mist or spray. Wear appropriate protective equipment.

Environmental precautions

Prevent entry into drains, soil, and waterways.

Methods for cleanup

Absorb spill with inert material (sand, earth). Transfer to suitable containers for disposal according to local regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid formation of aerosols. Good industrial hygiene practices should be observed.

Conditions for safe storage

Store in tightly closed container in a cool, dry, well-ventilated area. Avoid extreme heat.

SECTION 8: Exposure controls / Personal protection

Engineering controls

Use local exhaust if aerosols are generated.

Personal protective equipment

- Eye protection: Safety goggles
- Skin protection: Protective gloves (e.g., nitrile)
- Respiratory protection: Not required for normal handling; if mist/aerosol forms, use appropriate respirator.

Hygiene measures

- Do not eat, drink or smoke when handling the product.

SECTION 9: Physical and chemical properties

Appearance: Clear, colorless liquid

Odor: Odorless

pH: ~neutral

Melting point/freezing point: <-50 °C

Boiling point: >200 °C (very low vapor pressure)

Flash point: >300 °C (typical silicone fluid)

Viscosity @25 °C: ~10000 cSt (product grade)

Specific Gravity @25 °C: ~0.975

Solubility: Insoluble in water

SECTION 10: Stability and reactivity

Reactivity / Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Avoid high temperatures and open flame.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

In combustion, may release carbon oxides and silicon oxides.

SECTION 11: Toxicological information

Acute toxicity: Not classified. Low toxicity typical of silicone oils.

Skin corrosion/irritation: Not irritating in standard tests.

Respiratory or skin sensitization: Not expected to cause sensitization.

Health effects: No significant acute toxicological data; safe when used as intended.

SECTION 12: Ecological information

Ecotoxicity

Not expected to be harmful to aquatic organisms at typical environmental concentrations.

Persistence and degradability

Polydimethylsiloxane is not readily biodegradable.

Bioaccumulative potential

Low potential for bioaccumulation.

SECTION 13: Disposal considerations

Dispose of in accordance with local and national regulations. Do not allow product to enter drains or waterways.

SECTION 14: Transport information

Not classified as dangerous for transport.

UN Number: None

UN Proper Shipping Name: Not applicable

Transport hazard class: None

Packing group: None

SECTION 15: Regulatory information

This product complies with applicable chemical safety and labeling regulations. No additional classification or labeling required.

SECTION 16: Other information

Disclaimer: The information in this SDS is believed to be accurate but does not constitute warranty. Users should assess suitability for their purposes.