

# SAFETY DATA SHEET

## Silico® MF2010-0.65 cSt Silicone Fluid

### 1. PRODUCT AND COMPANY IDENTIFICATION

Item	Description
Trade Name	Silico® MF2010-0.65
Chemical Name	Hexamethyldisiloxane (HMDSO)
CAS Number	107-46-0
EC Number	203-492-7
Recommended Use	Industrial applications only
Supplier	Shangdong Silico Silicones Co., Ltd.
Emergency Telephone	+86-0538-5071566

### 2. HAZARD IDENTIFICATION

Flammable liquids:	Category 2 (H225)
Acute aquatic toxicity:	Category 1 (H400)
Chronic aquatic toxicity:	Category 1 (H410)

Signal Word: Danger

Hazard Statements:

- Highly flammable liquid and vapor.
- Very toxic to aquatic life with long-lasting effects.



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Classification	Concentration
Hexamethyldisiloxane	107-46-0	203-492-7	Flam. Liq. 2; Aquatic Acute 1; Aquatic Chronic 1	≥ 99%

### 4. FIRST AID MEASURES

Exposure Route	Recommended Action
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Remove contaminated clothing.
Eye Contact	Rinse cautiously with water for several minutes.
Ingestion	Do not induce vomiting. Seek immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

Aspect	Details
Suitable Extinguishing Media	Alcohol-resistant foam, CO <sub>2</sub> , dry powder, water spray
Hazardous Combustion Products	Carbon oxides, silicon oxides
Protective Equipment	Self-contained breathing apparatus (SCBA)

## 6. ACCIDENTAL RELEASE MEASURES

Category	Measures
Personal Precautions	Eliminate ignition sources. Ensure ventilation.
Environmental Precautions	Prevent release to drains or surface waters.
Cleanup Methods	Absorb with inert material and collect safely.

## 7. HANDLING AND STORAGE

Topic	Guidelines
Handling	Use in well-ventilated areas. Ground containers.
Storage	Store cool, dry, tightly closed. Keep away from heat.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protection Area	Recommended PPE	Standard
Eye / Face	Safety goggles or face shield	EN 166
Hands	Nitrile rubber gloves	EN 374
Body	Antistatic flame-retardant clothing	EN ISO 11612
Respiratory	ABEK respirator if required	EN 14387

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Colorless liquid
Boiling Point	≈ 101 °C
Flash Point	≈ 0.6 °C
Density (20 °C)	0.764 g/cm <sup>3</sup>
Water Solubility	Slightly soluble

## 10. STABILITY AND REACTIVITY

Aspect	Information
Chemical Stability	Stable under recommended conditions
Conditions to Avoid	Heat, sparks, open flames
Incompatible Materials	Strong oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

Exposure Route	Result
Oral LD50 (Rat)	> 5,000 mg/kg
Dermal LD50 (Rabbit)	> 2,000 mg/kg
Inhalation LC50 (Rat, 4h)	~15,956 ppm

## 12. ECOLOGICAL INFORMATION

Parameter	Value
Fish LC50 (96h)	~0.46 mg/L
Algae EC50	~0.22 mg/L
Biodegradability	Not readily biodegradable

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents and containers through a licensed hazardous waste disposal contractor in accordance with local regulations.

## 14. TRANSPORT INFORMATION

Item	Details
UN Number	1993
Proper Shipping Name	Flammable Liquid, N.O.S. (Hexamethyldisiloxane)
Hazard Class	3
Packing Group	II
Marine Pollutant	Yes

## 15. REGULATORY INFORMATION

This product complies with applicable EU chemical safety regulations. No Chemical Safety Assessment has been carried out.

## 16. OTHER INFORMATION

The information contained in this Safety Data Sheet is based on current knowledge and is intended for professional users.