

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 | Shandong 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 ₂ , 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 ³ |
| 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.