

# SILISIL Silicone Oil 0.65 cSt

## Safety Data Sheet

---

SILITECH AG encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions necessitate other appropriate methods or actions.

---

### 1. IDENTIFICATION

---

**Product name**

SILISIL Silicone Oil 0.65 cSt

**Other means of identification**

EC No.: 203-492-7

CAS No.: 63148-62-9

REACH: 01-2119496108-31-XXXX

**Relevant identified uses of the substance or mixture**

Industrial Purposes

Restricted to professional users

**Uses advised against**

None known

**Company Identification**

SILITECH AG

Worbstrasse 173

3073 Gümligen

Switzerland

Tel+41 31 398 50 70

info@silitech.ch

**Emergency Telephone Number**

Tox Info Suisse (24/7): +41 44 251 51 51 or 145 (Switzerland and Liechtenstein).

---

## 2. HAZARDS IDENTIFICATION

---

Classified according to Regulation (EC) No. 1272/2008 (CLP).

### Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

### Label Elements

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

Highly flammable liquid and vapour. (H225)

Very toxic to aquatic life with long lasting effects. (H410)

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Take action to prevent static discharges. (P243)

Keep container tightly closed. (P233)

Avoid release to the environment. (P273)

#### Response

Collect spillage. (P391)

#### Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

#### Hazardous substances

Hexamethyldisiloxane

### Other hazards

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

#### Substances

Product/ Substance	Identifiers	% w/w	Classification
Hexamethyldisiloxane	CAS No.: 107-46-0 EC No.: 203-492-7 REACH: 01-2119496108-31-XXXX Index No.:	95-100%	Flam. Liq. 2, H225 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411

#### Mixtures

Not applicable. This product is a substance. See full text of H-phrases in section 16.  
Occupational exposure limits are listed in section 8, if these are available.

#### Other information

-

---

## 4. FIRST AID MEASURES

---

### Description of first aid measures

#### General Information

In the case of accident, contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drinks.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

If in eyes, flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

#### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

### **Most important symptoms and effects, both acute and delayed**

None known.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

#### Information to medics

Bring this safety data sheet or the label of this product.

---

## 5. FIREFIGHTING MEASURES

---

### **Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### **Special hazards arising from the substance or mixture**

Highly flammable liquid and vapour. In use may form flammable/explosive vapour-air mixture. Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO/CO<sub>2</sub>)

### **Advice for firefighters**

Normal protective clothing and full respiratory protection. In case of direct contact with the chemicals Doctors and medical personnel.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

### **Personal precautions, protective equipment and emergency procedures**

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation. Contaminated areas may be slippery.

### **Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### **Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

---

---

## 7. HANDLING AND STORAGE

---

### **Precautions for safe handling**

Ground and bond container and receiving equipment. Use explosion-proof [electrical/lighting/ventilating] equipment. Use non-sparking tools. Take action to prevent static discharges. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. Smoking, drinking and consumption of food is not allowed in the work area.

### **Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Take action to prevent static discharges. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

### Recommended Storage material

Keep only in original packaging.

### Storage conditions

5 – 30 °C

### Incompatible material

Strong acids, strong bases, strong oxidizing agents and strong reducing agents.

### **Specific end use(s)**

This product should only be used for applications quoted in section 1.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

### DNEL

Hexamethyldisiloxane

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	176 mg/kg bw/day
Long term – Systemic effects – Workers	Dermal	333 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	13.3 mg/m <sup>3</sup>
Long term – Systemic effects – Workers	Inhalation	53.4 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	270 µg/kg bw/day

### PNEC

Hexamethyldisiloxane

Route of exposure	Duration of exposure	PNEC
Freshwater	-	2 µg/L
Freshwater sediment	-	8.9 mg/kg
Intermittent release (freshwater)	-	3 µg/L
Marine water	-	200 ng/L
Marine water sediment	-	890 µg/kg
Predators	-	5.3 mg/kg
Sewage treatment plant	-	10 mg/L
Soil	-	83 µg/kg

### Exposure controls

Apply general control to prevent unnecessary exposure.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measure to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

**Individual protection measures, such as personal protective equipment**

Generally

Use only CE marked protective equipment.

Respiratory equipment

No specific requirements.

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

Hand protection

No specific requirements.

Eye protection

No specific requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Color</b>	Colorless
<b>Odor / Odor Threshold</b>	Characteristic
<b>pH</b>	No data available
<b>Density (g/cm<sup>3</sup>)</b>	No data available
<b>Kinematic viscosity (25 °C)</b>	0.65 centistokes
<b>Dynamic viscosity</b>	No data available
<b>Particle characteristics</b>	Not applicable – product is a liquid
<b>Melting/Freezing point (°C)</b>	< -50
<b>Softening Point/Range</b>	Does not apply to liquids
<b>Boiling point (°C)</b>	100
<b>Vapor Pressure</b>	No data available
<b>Relative vapor density</b>	No data available
<b>Decomposition temperature (°C)</b>	No data available
<b>Flash point (°C)</b>	-1
<b>Flammability (°C)</b>	The material is ignitable
<b>Auto-ignition temperature (°C)</b>	No data available
<b>Lower/upper explosion limit (% v/v)</b>	No data available
<b>Solubility in water</b>	Insoluble
<b>N-octanol/water coefficient (LogKow)</b>	No data available
<b>Solubility in fat (g/L)</b>	No data available
<b>Other physical and chemical parameters</b>	No data available
<b>Oxidizing properties</b>	No data available

## 10. STABILITY AND REACTIVITY

---

### **Reactivity**

No data available.

### **Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

### **Possibility of hazardous reactions**

None known.

### **Conditions to avoid**

Extreme temperatures.

### **Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

---

## 11. TOXICOLOGICAL INFORMATION

---

### **Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute toxicity**

Based on available data for the mixture, the classification criteria are not met.

#### **Skin corrosion/irritation**

Based on available data for the mixture, the classification criteria are not met.

#### **Serious eye damage/irritation**

Based on available data for the mixture, the classification criteria are not met.

#### **Respiratory sensitisation**

Based on available data for the mixture, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data for the mixture, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data for the mixture, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data for the mixture, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data for the mixture, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data for the mixture, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data for the mixture, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data for the mixture, the classification criteria are not met.

#### **Long term effects**

None known.

#### **Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

---

## 12. ECOLOGICAL INFORMATION

---

### **Toxicity**

Toxic to aquatic life with long lasting effects.

### **Persistence and degradability**

Based on available data, the classification criteria are not met.

### **Bioaccumulative potential**

Based on available data, the classification criteria are not met.

### **Mobility in soil**

No data available.

### **Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### **Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### **Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

---

## 13. DISPOSAL CONSIDERATIONS

---

### **Waste treatment methods**

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant. Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

### **EWC Code**







Not applicable.

### **Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

---

## 14. TRANSPORT INFORMATION

	UN/ID	UN proper shipping name	Hazard classes	PG*	Env**	Other Information
<b>ADR</b>	UN1993	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)	Transport hazard class: 3 Label: 3 Classification Code: F1  	II	Yes	Limited quantities: 1l  Tunnel restriction code: (D/E)  See below for additional information
<b>IMDG</b>	UN1993	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)	Transport hazard class: 3 Label: 3 Classification Code: F1  	II	Yes	Limited quantities: 1l  EmS: F-E-S-E  See below for additional information
<b>IATA</b>	UN1993	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)	Transport hazard class: 3 Label: 3 Classification Code: F1  	II	Yes	See below for additional information

\* Packing group

\*\* Environmental hazards

### Additional information

This product is within scope of the regulations of transport of dangerous goods.  
ADR / See table for any information on special provisions, requirements, or warnings in connection with transport. See section 5 for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3, for any information on special provisions, requirements, or warnings in connection with transport. IATA / See Table for any information on special provisions, requirements, or warnings in connection with transport.

**Special precautions for users**

Not applicable.

**Maritime transport in bulk according to IMO instruments**

No data available.

---

## 15. REGULATORY INFORMATION

---

### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

### Demands for specific education

No specific requirements.

### SEVESO-Categories/Dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes/(upper-tier): 50.000 tonnes

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes/(upper-tier): 200 tonnes

### REACH, Annex XVII

Hexamethyldisiloxane is subject to REACH restrictions (entry 40).

### Additional information

Not applicable.

### Sources

Major Accident Hazards Decree 2015.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### Chemical safety assessment

No.

---

---

## 16. OTHER INFORMATION

---

### Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of

1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

### **Additional information**

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The classification of the mixture in regard to physical hazards has been based on experimental data.

**The safety data sheet is validated by**  
Regulatory

### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: CH-en

---