Safety Data Sheet (SDS)

(Industrial Use Only)

1. Product and Company Identification

Product:

Product Name: SS-1K Silicone Oil
Intended Use: Sealant

Manufacturer/Supplier:

Silicone Solutions
338 Remington Road
Cuyahoga Falls, OH
Preparer: Casey Linx
Chemical Family: Silicone Rubber
Formula: SiO_2CH_3
Emergency Telephone Number: 330-920-3125

2. Hazards Identification

Hazard Classification:

This material's composition is minimally hazardous according to regulatory guidelines. *See Section 15 for hazard ratings*.

Label: None required.

Hazard Statements:

Physical: None known
Health:

Ingestion	None known.
Skin Contact	Manufacturing experience has shown that skin hazard is not applicable in this form.
Inhalation	None known.
Eye Contact	May cause mild eye irritation.
Medical Conditions Aggravated	None known.
Subchronic (target organ) Effects	None known.
Chronic Effects/Carcinogenity	This product or one of its ingredients that is present in 0.1% or more is NOT listed or is suspected as a carcinogen by NTP, IARC, or OSHA.
Principle Routes of Exposure	None known.

Precautionary Statements:

General: Obtain special instructions before use, and do not handle until all safety precautions have been read and understood.

Other Hazard Information:

- This product contains methylpolysiloxanes, which can generate formaldehyde upon exposure above 300 degrees centigrade in atmospheres that contain oxygen. Formaldehyde is a skin, eye, and throat irritant.

3. Composition/Information on Ingredients

Chemical Characterization:

Formula: SiO_2CH_3

Composition and Information on Ingredients: Non-hazardous components unless otherwise specified.

Component	CAS #	Approximate % Weight
Dimethylpolysiloxane	63148-62-9	100

4. First Aid Measures

General Information:

Ingestion: None known.
Skin: Wash with soap and water.
Inhalation: None known.
In case of eye contact: Flush with water for fifteen minutes and get medical attention.

Note to Physician: None known.

5. Firefighting Measures

Flammability Properties:

Flash Point: > 250°C or 482°F
Method: ISO 2592
Ignition Temperature: 395°C or 743°F
Flammable Limits in Air-Upper % : NA
Flammability Limits in Air-Lower % : NA
Sensitivity to Mechanical Impact: No
Sensitivity to Static Discharge: No

Extinguishing Media: All standard firefighting material.

Special Firefighting Procedures: None known.

6. Accidental Release Measures

Action to be taken if material is released or spilled: Scrape up and place in an inert material for disposal. *See Section 8 for protective equipment upon exposure and Section 7 for information on safe handling.*

7. Handling and Storage

Precautions to be taken during handling and storage: None required.

8. Exposure Controls/Personal Protection

Control Parameters:

Components with limit values that require monitoring at the workplace:

Component	CAS #	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL
Dimethylpolysiloxane	63148-62-9	NE	NE	NF	NE

Exposure Controls and Protection:

Engineering Controls: None known.
Respiratory Protection: None required.
Protective Gloves: None required.
Eye and Face Protection: None required.
Other Protective Equipment: None required.
Ventilation: None required.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

Boiling Point: NA
Vapor Pressure: NA
Vapor Density: NA
Freezing Point: NA
Melting Point: -55°C (-67°F)
Physical State: Liquid
Odor: Odorless.
% Volatile by Volume: < 1
Evaporation Rate: < 1
Density: 0.97 g/cm³
Acid/Alkalinity: Unknown.
pH: Approximately 7
VOC: NT
Solubility in Water: Insoluble.
Solubility in Organic Solvents: Partially soluble in toluene.

10. Stability and Reactivity

Chemical Stability:

Stability: Stable.

Reactivity:

Hazardous Polymerization: Will not occur.
Hazardous Thermal Decomposition/Combustion Products:

- Carbon Dioxide
- Carbon Monoxide
- Silicon Dioxide
- Formaldehyde

Conditions to Avoid: None known.

11. Toxicological Information

Product Information on Toxicological Effects:

Acute Oral LD50: Unknown.
Acute Dermal LD50: Unknown.
Acute Inhalation LC50: Unknown.
Ames Test: Unknown.

12. Ecological Information

Ecotoxicity:

Ecotoxicological Information: Unknown.
Chemical Fate Information: Unknown.

13. Disposal Considerations

Disposal Method: Disposal should be made in accordance with federal, state, and local considerations.

14. Transport Information

General:

DOT Shipping Name: NA
DOT Hazard Class: Not DOT regulated.
DOT Label: NA
UN/NA Label: NA
Placards: None.
IATA: NA
IMO IMDG-code: NA
European Class:
RID (OCTI): NA
ADR (ECE): NA
RAR (IATA): NA

15. Regulatory Information

Regulatory Status and Applicable Laws and Regulations:

SARA Section 302: None found.
SARA (311, 312) Hazard Class: None.
SARA (313) Chemicals: None.
CPSC Classification: NA
WHMIS Hazard Class: None.
Export Schedule:
B/HTSUS: 3910.00 Silicones in primary form.
ECCN: EAR99
California Proposition 65: None.
TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

Hazard Rating Systems:

HMIS (scale 0-4):

- Health = 0
- Flammability = 0
- Reactivity = 0

NFPA (scale 0-4):

- Health = 0
- Flammability = 0
- Reactivity = 0

16. Other Information

Revision Date: 06/2/2019
SDS Preparer: Casey Linx

This product or its components are on the European inventory (EINECS) of existing commercial chemicals. This data is offered in good faith as typical values and not as a product satisfaction. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

Abbreviations and Acronyms:

OSHA: Occupational Safety and Health Administration
ACGIH: American Conference of Governmental Industrial Hygienists
LD50: Lethal Dose, 50 percent
LC50: Lethal Concentration, 50 percent
DOT: US Department of Transportation
IATA: International Air Transport Association
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)