

Section 1 Identification

Product identifiers

Product names: Freeman FL-50 Silicone Fluid

Relevant identified uses

For industrial and professional use only.

Details of the supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
 1101 Moore Road, Avon, OH 44011
 Phone: (440) 934-1902
 Email: contactus@freemansupply.com

24 Hour Emergency Phone Number:
CHEMTREC US (800) 424-9300

Section 2 Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Hazards not otherwise classified (HNOC) or not covered by GHS

None known.

Section 3 Composition/Information on Ingredients

Chemical Name	CAS Number	EC Number	Concentration (% by weight)
Polydimethylsiloxane, trimethyl terminated	63148-62-9	613-156-5	60 - 100

No components need to be disclosed according to applicable regulations.

Section 4 First-Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash skin with plenty of soap and water. Seek medical attention if irritation develops.

Eye Contact: Rinse thoroughly with clean water for at least 15 minutes. Consult a physician.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Consult a physician.

Section 5 Fire-Fighting Measures

Suitable Extinguishing Media

Use dry chemical, alcohol resistant foam, carbon dioxide, or dry sand.

Specific hazards arising from the chemical

Hydrogen gas may be evolved if water is used as an extinguishing medium. Hazardous condition may develop if this gas is allowed to accumulate in closed or confined spaces.

Special Fire-Fighting Procedures

Use water spray to cool fire-exposed surfaces and to protect personnel. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Follow safe handling advice and personal protective equipment recommendations. Provide good ventilation. Prevent further leakage or spillage if safe to do so. Caution: Contaminated surfaces may be slippery.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Absorb with sand or other inert absorbent. Shovel up and place in a container for salvage or disposal. Dispose of residue in accordance with regulations in force.

Section 7 Handling and Storage

General

Mix thoroughly before use.

Precautions for safe handling

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. In case of spills, beware of slippery floors and surfaces. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Conditions for safe storage, including any incompatibilities

Store in accordance with local/regional/national regulations. Store in tightly closed original container in a dry and cool place.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate Engineering Controls

Local ventilation is acceptable. Change contaminated clothing. Wash hands after working with product.

Individual protection measures, such as personal protective equipment

Respiratory Protection: No protection is ordinarily required under normal conditions of use.

Skin Protection: Not required.

Eye Protection: Wear approved safety glasses.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 Physical and Chemical Properties

Appearance	Clear colorless viscous liquid
Odor	Slight to none
Odor threshold	No data available
pH	Not applicable
Melting point	No data available
Boiling point	>284°F (>140°C) at 0.003 hPa
Flash Point	>210°F (>98°C) (Pensky-Martens Closed Cup)
Evaporation rate	No data available
Flammability (solid, gas)	No data available

Section 9 Physical and Chemical Properties

Upper/lower flammability	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	0.97 g/mL at 68 °F (20 °C)
Water Solubility	Slightly soluble
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	>350°F (>173°C)
Viscosity	50 cP
Oxidizing properties	Not considered as oxidizing
Explosive properties	Not explosive

Section 10 Stability and Reactivity

Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid intense heating.
Incompatible materials:	Acids, bases, strong oxidizing agents
Hazardous decomposition products:	Thermal decomposition may produce carbon monoxide, carbon dioxide, silicon dioxide.

Section 11 Toxicological Information

Skin Contact:	Temporary, reversible mild skin irritation may occur.
Eye Contact:	Temporary, reversible eye irritation may occur.
Ingestion:	Temporary, reversible mild digestive irritation may occur.
Acute Toxicity:	Not applicable
Carcinogenicity:	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity	
- Single Exposure:	No data available
- Repeated Exposure:	No data available
Aspiration Hazard:	No data available

Section 12 Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

Section 13 Disposal Considerations

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste. May be incinerated or land-filled under conditions complying with federal, state, and local environmental control regulations.

Section 14 Transport Information

DOT, IMDG, IATA
Not dangerous goods

Section 15 Regulatory Information

Inventory Status

US TSCA Inventory: All ingredients in this material are included on or exempt from listing on the TSCA Inventory of Chemical Substances.

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) 311/312 Hazards: None

SARA 302 EHS: None present or none present in regulated quantities.

SARA 313 (TRI Reporting): None present or none present in regulated quantities.

Section 16 Other Information

Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Date of Previous Revision: Not applicable

Date of Current Revision: July 13, 2023