

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: Methyl Hydrogen Silicone Fluid
Other name: Poly(methylhydrosiloxane)
CAS No.: 63148-57-2

Recommended use of the chemical and restrictions on use.
Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet
Company Information

SILYCOM SA DE CV

Miguel Hidalgo S/N 9, San Nicolas Tolentino, Toluca Estado de Mexico, Mexico.

Contact Information: sfsilycom@hotmail.com

2. HAZARDS IDENTIFICATION

Hazard Classification: Not hazardous

Label Elements Including Precautionary
Statements Symbol: None
Signal Word: None
Hazard Risk Statement: Not hazardous

Precautionary Statement:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hand thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Use only outdoors or in a well-ventilated area.

IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF on skin: Wash with plenty of soap and water.

IF inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Take off contaminated clothing and wash before reuse.

Other Hazard: None known



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Classification: Silicone

Substance / Mixture: Substance

Hazardous Ingredients: No hazardous ingredients

Component	Concentration	CAS No.
Methyl Hydrogen Silicone Fluid	>99.99%	63148-57-2

4. FIRST AID MEASURES

Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Skin contact:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eye contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

If ingestion

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture

Hazardous decomposition products: irritating and toxic fumes and gases, silicon dioxide.



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Special fire fighting methods and special protective actions for fire-fighters:
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. Do not walk through spilled material. Ensure adequate ventilation.

For emergency responders: For emergency responders

Environmental precautions

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: Not available

Additional exposure limits under the conditions of use: Not available

DNEL/DMEL and PNEC-Values: Not available



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Exposure controls

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits..

Personal protective equipment

Respiratory protection:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Eye/face protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Hand protection: Wear appropriate protective gloves to prevent skin exposure

Body protection: Wear appropriate protective clothing to prevent skin exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Viscosity(25°C), cps: 15-30

Volatile Matter, %: 0~2

Reflective Index (25°C): 1.390~1.410

Relative Density (25°C): 0.995~1.015 g/cm³

Hydrogen Content %: 1.55~1.65

Flash Point(opened cup): ≥160°C

pH: Not available

Melting point/range (°C): Not available

Boiling point/range (°C): Not available

Evaporation rate: Not available

10. STABILITY AND REACTIVITY

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: No dangerous reactions known



Conditions to avoid: Incompatible materials. Avoid excess heat.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Irritating and toxic fumes and gases, silicon dioxide

11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

Non-human toxikological data: Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: May cause respiratory irritation

STOT-repeated exposure: Not classified

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Results of PBT&vPvB assessment: Not available

Other adverse effects: Not available



13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements

Packaging disposal

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations

14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport:

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulations on Safety Administration of Hazardous Chemicals.

Regulation of Safety Use Chemicals at Workplace.

Regulations on Labor Protection in Workplaces.

Other EU regulations.

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

