

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Polymethyldisiloxane

Product Number: SDF-5

CAS No. 63148-62-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Industrial.

Intermediate chemical

1.3 Details of the supplier of the safety data sheet

Manufactured/Supplied by Silsource Inc.

ADDRESS: 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6

CHEMICAL EMERGENCY ONLY (PHONE): CANUTEC (613) 996-6666 [24 Hr.]

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Chronic aquatic toxicity (Category 4)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This substance is not classified as dangerous

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram: None

Signal word : None

Hazard statement(s)

The substance does not meet the criteria for classification

Precautionary statement(s)

None

2.3 Other hazards: None

HMIS® ratings Health: 0

Flammability: 1

Physical hazard: 0

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Component	CAS:	Concentration
Polydimethylsiloxane	63148-62-9	> 98%

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

3.2 Mixtures

Not Relevant

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician if irritation develops and persists.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if irritation develops and persists.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a Physician if symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

By heating and fire, harmful vapors/gases may be formed. This material may generate formaldehyde at temperatures greater than 150°C (300°F) in air or the presence of oxygen.

5.3 Advice for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

5.4 Further information

Do not use water jet as an extinguisher, this will spread the fire. Move containers from fire area if you can do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See section 8 of the SDS.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Large Spill(s): Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spill(s): Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

6.4 Reference to other sections

For disposal see section 13 of SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Normal measures for preventive fire protection. Provide adequate ventilation. Use care in handling/storage.

Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.

Observe overall good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials. See section 10 of the SDS. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Good ventilation should be used. Ventilation rates should match conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Glove material: Nitrile. Gloves must be inspected prior to use. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.15 mm. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations: Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Color	Water white
Odour	Characteristic
Odour Threshold	no data available
pH	no data available
Melting point/freezing Point	no data available
Initial boiling point	no data available
Flash point	> 212.0°F (> 100°C) - closed cup
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available

Vapour pressure	Not determined
Vapour density	No data available
Relative density	0.97 - 1 g/cm ³ (77 °F, 25 °C)
Water solubility	Insoluble
Partition coefficient:	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	5 cSt (77 °F, 25 °C)
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage, and transport.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide. Silicone dioxide. Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not expected to be acutely toxic.

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Not a respiratory sensitizer. Not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity - Not Listed

NTP Report on Carcinogens - Not listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) – Not Listed

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Potential health effects

Inhalation: Prolonged inhalation may be harmful.
Ingestion: Expected to be a low ingestion hazard.
Skin: No adverse effects due to skin contact are expected.
Eyes: Direct contact with eyes may cause temporary eye irritation.

Aspirational hazard

Not an aspiration hazard.

Further Information

Not for injection into humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

This product is insoluble in water.

12.5 Other adverse effects

No other adverse environmental effects are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

13.2 Local Disposal Regulations

Dispose in accordance with all applicable regulations.

13.3 Hazardous Waste Code

The waste code should be assigned in discussion between the user, the producer, and the waste disposal company

13.4 Waste from Residues/Unused Products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See Disposal Instructions).

13.5 Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

ADR/RID: - IMDG: - IATA: -

ADR/RID: - IMDG: - IATA: -

ADR/RID: No IMDG Marine pollutant: No IATA: -

Read safety instructions, SDS and emergency procedures before handling

US Federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Not regulated.

Not listed.

Not regulated.

Not listed.

This substance is on the TSCA 8(b) inventory and is designated "active".

SARA 302 Extremely hazardous substance

Not listed.

No

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Not regulated.

Not regulated.

US. Massachusetts RTK – Substance List

Not regulated

US. New Jersey Worker and Community Right-to-Know Act

Not listed

US. Pennsylvania Worker and Community Right-to-Know Act

Not listed

US. Rhode Island RTK

Not regulated

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or Region	Inventory name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more of the components of the product are not listed or are exempt from listing on the inventory administered by the governing country(s)

SECTION 16: OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. 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 context of the intended use.

This SDS was prepared sincerely on the basis of the information we could obtain, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

This SDS is compliant with the GHS requirements outlined at
http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html

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