

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Poly(dimethylsiloxane)

Product Number: SDF-350

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.] CHEMTREC (800) 424-9300

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) NO. 1272/2008[CLP]

Not classified

Full text of H statements : see section 16

2.2 Label elements

No labelling applicable

2.3 Other hazards

This product contains no substances assessed to be PBT or vPvB at levels of 0.1% or higher.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Component	CAS:	Concentration
Poly(dimethylsiloxane)	63148-62-9	100%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice: If symptoms persist, call a physician.

Eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water. Obtain medical attention.

Skin contact: Wash skin with plenty of water.

Ingestion: Give several small portions of water to drink. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide (CO₂). Sand.

5.2 Specific hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing Apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

1. For non-emergency personnel, Emergency procedures:

Ventilate spillage area. Avoid contact with skin and eyes. Keep unprotected persons away.

Avoid dust formation. Do not breathe dust.

2. For emergency responders, Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment. Avoid direct discharge into drains.

6.3 Methods and material for containment and cleaning up

1. Absorb remaining liquid with sand or inert absorbent and remove to safe place
2. Dispose of materials or solid residues at an authorized site.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures:

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from sources of ignition and do not smoke.

Advice on general occupational hygiene:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep cool. Protect against moisture.

7.3 Specific end use(s):

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Romania OEL TWA(mg/m³): 200 mg/m³(oil)

Romania OEL STEL(mg/m³): 300 mg/m³(oil)

8.2 Engineering controls

Ensure good ventilation of the work station.

8.3 Environmental exposure controls

Prevent material from entering surface waters and soil.

8.4 Personal protection equipment

General requirement:	General Ventilation is recommended, appropriate respiration protection should be worn.
Eye protection:	Safety glasses
Hand protection:	Protective gloves, rubber gloves
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment
Skin and body protection:	Wear suitable protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State:	Viscous Liquid
Color:	Colorless
Odor:	Characteristic odor

Safety parameters

Boiling Point:	Not determined
Flash Point:	Min 315°C (closed cup)
Freezing/Melting Point:	Not determined
Ignition Temperature:	Not determined
Explosion Limits:	Lower Not determined
Explosion Limits:	Upper Not determined
Vapor pressure:	Not determined
Solubility in water:	Reacts rapidly
Viscosity, dynamic(mm²/s):	315 ~ 385
Specific Gravity/Density:	0.962 ~ 0.972 g/cm ³ at 25°C

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under proper operation and storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Oxidizing material can cause a reaction.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	LD50(oral, rat): > 24 g/kg
Skin corrosion/irritation	Not classified pH: No data available
Serious eye damage / eye irritation	Not classified pH: No data available
Skin sensitization	No data available
Respiratory sensitization	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity(additional)	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Acute aquatic toxicity

No data available.

12.2 Chronic aquatic toxicity

No data available.

12.3 Persistence and degradability

No data available.

12.4 Bioaccumulative potential

No data available.

12.5 Mobility in soil

No data available.

12.6 Results of PBT and vPvB assessment

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Waste chemicals: Dispose of contents/container in accordance with licensed collector's sorting instructions.

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

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

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

14.6 Special precautions for user

Read safety instructions, SDS and emergency procedures before handling

SECTION 15: REGULATORY INFORMATION

15.1 International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	✓	✓	✓	✓	✓	✓	✓	✓	✓

(EINECS) European Inventory of Existing Commercial Chemical Substances

(TSCA) United States Toxic Substances Control Act Inventory

(DSL) Canadian Domestic Substances List

(ECSC) China Inventory of Existing Chemical Substances

(NZIoC) New Zealand Inventory of Chemicals

(PICCS) Philippines Inventory of Chemicals and Chemical Substances

(KECI) Existing and Evaluated Chemical Substances

(AICS) Australia Inventory of Chemical Substances

(ENCS) Existing And New Chemical Substances

15.2 European chemical inventory

Component	A	B	C	D	E	F	G
Poly(dimethylsiloxane)	X	X	X	✓	✓	X	X

(A) Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

(B) Substances requiring authorisation under EU REACH regulation

(C) Substances restricted under EU REACH

(D) Pre-registered substances under EU REACH

(E) Registered substances under EU REACH

(F) Substance Evaluation – CoRAP under EU REACH

(G) List of priority substances under EU water policy (Directive 2455/2001/EC)

Note:

“✓” Indicates that the substance included in the regulations

“x” That no data or included in the regulations

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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