

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifier**

Product name: Dimethyl-diphenylpolysiloxane Fluid

Product Number: SS-8255-400-3

CAS No. 68083-14-7

**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]

Not classified

**2.2 Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Hazard(s) not otherwise**

**classified (HNOC)** None known.

**2.3 Other hazards:** None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Substances**

CAS No.	Material	Content %
68083-14-7	Siloxanes & Silicones, dimethyl, diphenyl	98-100

**3.2 Mixtures**

Not Relevant

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice**

If symptoms persist, call a physician.

**In case of eye contact**

Rinse with water. Get medical attention if irritation develops and persists.

**In case of skin contact**

Wash off with soap and water. Get medical attention if irritation develops and persists.

**If swallowed**

Rinse mouth. Get medical attention if symptoms occur.

**If inhaled**

Remove person to fresh air and keep comfortable for breathing. Call a physician if symptoms develop or persist.

**Most important**

Direct contact with eyes may cause temporary irritation.

**symptoms/effects, acute and delayed**

**Indication of immediate**

Provide general supportive measures and treat symptomatically

**medical attention and special treatment needed**

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>). Dry chemical powder. Water mist.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2 Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 ° F (150 ° C) and above, in atmospheres which contain oxygen.

### 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.

### 5.4 Further information

Move containers from fire area if you can do so without risk. Do not allow run-off from firefighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and clothing during clean-up. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment.

### 6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

### 6.3 Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: 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. For waste disposal, see Section 13 of the SDS.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from incompatible material.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Occupational exposure limits: No exposure limits noted for ingredient(s).  
Biological limit values: No biological exposure limits noted for the ingredient(s).

**8.2 Engineering controls**

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to 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. Eye wash facilities and emergency shower must be available when handling this product.

**8.3 Environmental exposure controls:** This product may be capable of generating 0.1 ppm or greater formaldehyde vapors under certain use conditions. According to OSHA 29 CFR 1910.1048, formaldehyde vapors may be considered hazardous if workplace airborne concentrations exceed 0.1 ppm.

**8.4 Personal protection equipment:**

**Eye/face protection:** Wear safety glasses with side shields (or goggles).  
**Skin protection**  
**Hand protection:** Wear appropriate chemical resistant gloves.  
**Other:** Wear suitable protective clothing.  
**Respiratory protection:** No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor mist respirator. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 1910.134.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical State** Liquid  
**Colour** White  
**Odour** Mild to none  
**Odor threshold** Not available.  
**pH** Not available.  
**Melting point/freezing point** Not determined.  
**Initial boiling point and boiling range** Not available.  
**Flash point** > 212.0°F (> 100.0°C) Pensky-Martens Closed Cup  
**Evaporation rate** < 1 (n-butyl acetate = 1)  
**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit – lower (%)** Not available.  
**Flammability limit – upper (%)** Not available.  
**Explosive limit - lower (%)** Not available.  
**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not determined.  
**Vapor density** > 1 (25°C / 77°F) (Air = 1)  
**Relative density** 0.97 - 0.99 @ 25 °C

**Solubility(ies)**

<b>Solubility (water)</b>	Insoluble (water).
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	400 cSt @ 25°C

**Other information**

<b>Percent volatile</b>	Not determined.
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**9.2 Other safety information** No data available

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2 Chemical stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid:</b>	Contact with incompatible materials.
<b>10.5 Incompatible materials:</b>	Strong oxidizing agents.
<b>10.6 Hazardous decomposition Products:</b>	Methylpolysiloxanes can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Carbon dioxide. Carbon monoxide. Silicon dioxide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on likely routes of exposure:**

<b>Inhalation:</b>	No adverse effects due to inhalation are expected.
<b>Skin contact:</b>	No adverse effects due to skin contact are expected.
<b>Eye contact:</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion:</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

**Information on toxicological effects**

<b>Acute toxicity</b>	Expected to be a low hazard for usual industrial handling by trained personnel when in the unheated state.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation. Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye Irritation</b>	Direct contact with eyes may cause temporary irritation. Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Due to lack of data the classification is not possible.
<b>Skin sensitization</b>	Due to lack of data the classification is not possible.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Based on available data, the classification criteria are not met.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

<b>Reproductive toxicity</b>	Due to lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Due to lack of data the classification is not possible.
<b>Specific target organ toxicity - repeated exposure</b>	Due to lack of data the classification is not possible.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Further information</b>	Not for injection into humans.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Ecotoxicity</b>	The 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.
<b>12.2 Persistence and degradability</b>	No data available.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Disposal instructions:</b>	Dispose in accordance with all applicable regulations. Waste is suitable for incineration.
<b>Hazardous waste code:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products:</b>	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).
<b>Contaminated packaging:</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## SECTION 14: TRANSPORT INFORMATION

<b>14.1 UN number</b>	ADR/RID: -	IMDG: -	IATA: -
<b>14.2 UN proper shipping name</b>	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	ADR/RID: -	IMDG: -	IATA: -
<b>14.4 Packaging group</b>	ADR/RID: -	IMDG: -	IATA: -
<b>14.5 Environmental hazards</b>	ADR/RID: No	IMDG Marine pollutant: No	IATA: -
<b>14.6 Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling		
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	This product is not intended to be transported in Bulk		

**SECTION 15: REGULATORY INFORMATION**

**US federal regulations:**

This product is not hazardous according to OSHA 29CFR 1910.1200.

All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

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

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

(SDWA)

**US state regulations**

**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 Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

This product contains the following chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm:

None known.

**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

Country(s) or region	Inventory name	On inventory (yes/no)*
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)	No

\* A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or 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](http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html)

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