

## Material Safety Data Sheet

### 1. Identification of the substance/preparation and of the company/undertaking.

<b>1.1 Product name :</b>	<b>PSL Rheotek Silicone Fluid 50 CS</b>
<b>1-2 Identified uses :</b>	Intermediates Heat transferring agents Solvents Process regulators Cosmetics
<b>Uses advised against :</b>	None known.
<b>1.3 Supplier</b>	Poulten Selve and Lee Ltd. - PSL Calibration Laboratory Russell House Burnham Business Park Burnham-on-Crouch Essex CM0 8TE United Kingdom
<b>Emergency telephone Number</b>	<b>+44 (0) 1621 787100</b>

### 2. Hazards identification.

#### 2.1 Classification of the substance or mixture.

According to Regulation (EC) No. 1272/2008:  
Not hazardous.

According to EU Directives 67/548/EEC or 1999/45/EC:  
Not hazardous.

#### 2.2 Label elements:

No special packaging or labelling requirements.

### 3. Composition/Information on ingredients.

**Chemical characterization:** Silicone

#### According to EU Directives 67/548/EEC or 1999/45/EC:

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
No hazardous ingredients.					

#### According to Regulation (EC) No. 1272/2008:

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
Polydimethylsiloxane	63148-62-9		Exempt or not available	100.0	

CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

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## 4. First-aid measures

### 4.1 Description of First Aid Measures:

On contact with eyes	: No first aid should be needed.
On skin contact	: No first aid should be needed.
If inhaled	: No first aid should be needed.
On ingestion	: No first aid should be needed.

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## 5. Fire-Fighting Measures

**5.1 Suitable extinguishing media:** On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

**Unsuitable extinguishing media:** None known.

**5.2 Hazards during fire fighting:** None known.

**Hazardous Combustion Products:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

**5.3 Special protective equipment/procedures:** A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

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## 6. Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Wear proper protective equipment.

**6.2 Environmental precautions:** Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

**6.3 Methods and materials for:** Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

## 7. Handling and storage

- 7.1 Advice on safe handling:** Avoid eye contact. General ventilation is recommended. Do not empty into drains.
- 7.2 Advice on storage:** Do not store with oxidizing agents. Storage temperature: minimum -30 °C, maximum 60 °C
- 7.3 Specific uses:** Refer to technical data sheet available on request.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Name	CAS-No.	Exposure Limits
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None of the components have assigned exposure limits.

### 8.2 Exposure controls

Engineering Controls : Ventilation : Refer to Section 7.1

#### Personal protection equipment

Respiratory protection :	Respiratory protection is not normally required.
Hand protection :	Gloves are not normally required.
Eye/face protection :	Safety glasses should be worn.
Skin protection :	Protective equipment is not normally necessary.
Hygiene measures :	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Additional information :	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry ( <a href="http://www.SEHSC.com">www.SEHSC.com</a> ) or contact the Dow Corning customer service group.

**Environmental exposure controls :** Refer to section 6 and 12.

## 9. Physical And Chemical Properties.

<b>Form</b>	: Liquid
<b>Colour</b>	: Colorless
<b>Odour</b>	: Characteristic odour
<b>Boiling point/range</b>	: > 65°C
<b>Flash point</b>	: > 250 °C (Cleveland Open Cup) : > 120 °C (Closed Cup)
<b>Explosive properties</b>	: No
<b>Specific Gravity</b>	: 0.96
<b>Viscosity</b>	: 50 cSt at 25°C.
<b>Oxidizing properties</b>	: No

The above information is not intended for use in preparing product specifications.

## 10. Stability And Reactivity.

<b>10.1 Reactivity</b>	: None known.
<b>10.2 Stability</b>	: Stable under normal usage conditions.
<b>10.3 Possibility of hazardous reactions</b>	: None known.
<b>10.4 Conditions to avoid</b>	: None established.
<b>10.5 Materials to avoid</b>	: Can react with strong oxidising agents.
<b>10.6 Hazardous decomposition products</b>	: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

## 11. Toxicological Information.

<b>Acute toxicity:</b>	
<b>On contact with eyes</b>	: May cause temporary discomfort.
<b>On skin contact</b>	: No adverse effects are normally expected.
<b>If inhaled</b>	: No adverse effects are normally expected.
<b>On ingestion</b>	: No adverse effects are normally expected.
<b>Chronic toxicity:</b>	
<b>On skin contact</b>	: No adverse effects are normally expected.
<b>If inhaled</b>	: No adverse effects are normally expected.
<b>On ingestion</b>	: No adverse effects are normally expected.
<b>Toxicokinetics, metabolism and distribution</b>	: No specific information is available.
<b>Other Health Hazard</b>	: Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

<sup>1</sup> Based on product test data.

<sup>2</sup> Based on test data from similar products.

## 12. Ecological Information.

<b>12.1 Ecotoxicity effects:</b>	No adverse effects on aquatic organisms.
<b>12.2 Persistence and degradability:</b>	Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.
<b>12.3 Bioaccumulation:</b>	No bioaccumulation potential.
<b>12.4 Release to waters / Mobility in soil</b>	
<b>Fate and effects in waste water treatment plants:</b>	Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

#### 12.5 Results of PBT and vPvB assessment

Not applicable.

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### 13. Disposal Considerations.

Product and packaging disposal

: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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### 14. Transport Information.

#### Road / Rail (ADR/RID)

Not subject to ADR/RID.

#### Sea transport (IMDG)

Not subject to IMDG code.

#### Air transport (IATA)

Not subject to IATA regulations.

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### 15. Regulatory Information.

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Status

**EINECS** : All ingredients listed or exempt.

**TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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### 16. Other Information.

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as

its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS.

Dow Corning supplying entity shall not be held responsible for any defect in the product covered by this SDS ,

should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements.

Source of information: Internal data and publically available information.

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