



## Product Information

# Pure Silicone Fluid 3cSt

**Low-Viscosity Silicone (CAS#63148-62-9) INCI Name: Dimethicone**



Pure Silicone Fluid 3cSt is a unique viscosity that bridges the gap between the volatile and inert fluids

Pure Silicone Fluid 3cSt is a low-viscosity Polydimethylsiloxane (CAS# 63148-62-9) that bridges the gap between the volatile silicone fluids and the inert silicone fluids, starting at 5cSt. The product is clear, colorless and odorless with a viscosity of 3cSt (centistokes) @ 25C.

Pure Silicone Fluid 3cSt is characterized by its low viscosity (close to water), low V.T.C. (little viscosity change at both low and high temperatures), excellent lubricity, low surface tension (high spreadability), high damping action (meets VV-D-1078) and low temperature stability (-70°C pour point).

It can be used as a base fluid in a number of cosmetic and beauty care products. Clearco PSF-3cSt (Dimethicone) provides soft skin lubricity, high spreadability, and high water repellency. It features good solubility in anhydrous alcohols and in a wide variety of solvents

### Specifications

Chemical name	Polydimethylsiloxane
Synonym	Dimethylsiloxane
Appearance	Clear Liquid – Odorless & Tasteless
Flammability	HMIS 1
Pour Point	-70°C
Availability	1 – 5 – 55 Gallon Containers
Federal Spec	VV-D-1078 “Silicone as Damping Fluid”
Minimum Order	1-gallon

### Features

- Low viscosity
  - Excellent Lubrication
  - Excellent Low Temperature Serviceability
  - Pour Point: - 70°C Pour Point
  - Semi-Volatile Silicone... very unique volatility
  - Clear, Colorless, Odorless
  - High Compressibility
  - High Oxidation Resistance
  - Low Surface tension – high spreadability
  - Wider service temp range than lower viscosities
- VOC-Exempt**
- VOC Exempt
  - Excellent Carrier alternative to non-VOC Compliant solvents and petroleum distillates
  - Add to non-VOC compliant formulations to achieve compliancy

### CAS Information

Identity	CAS #	%
Polydimethylsiloxanes	63148-62-9	>80
Dodecamethylpentasiloxane	141-63-9	<20
Decamethyltetrasiloxane	141-62-8	<5
Octamethylcyclotetrasiloxane	556-67-2	<2

### Packaging

1-gallon.....	2.5kg
5-gallon pail.....	15kg
55-gallon drum.....	170kg
Terms: F.O.B. Phila, PA U.S.A.	

### Typical Product Data

Viscosity	Specific Gravity	Viscosity-Temp Coefficient	Flash Point	Pour Point	Refractive Index	Thermal Expansion cc/cc/ °C	Thermal Conductivity g/cal/cm/sec °C	Surface Tension	Dielectric Constant	Dielectric Strength
3cSt	0.898	0.51	100°C	-70°C	1.3935	0.00114	0.00027	19.2	2.50	350

### Typical Product Data (cont'd)

Boiling Point	Vapor Density (air = 1)	Vapor Pressure @ 25°C	Molecular weight
>200°C	NA	Not determined	550

### For More Information, Contact:

**Clearco Products Co., Inc.**  
 3430 G. Progress Drive  
 Bensalem, PA 19020  
 Tel: 215 639-2640  
 Fax: 215 639-2919  
 Email: [info@clearcoproducts.com](mailto:info@clearcoproducts.com)  
 Web: [www.clearcoproducts.com](http://www.clearcoproducts.com)