



## Product Information

# PSF-1,000cSt Pure Silicone Fluid Food Grade

100% PDMS Silicone Fluid that meets FDA 21 CFR specs for incidental food contact



PSF-1,000cSt Food Grade Pure Silicone is a 100% PDMS Silicone / Polydimethylsiloxane Fluid

**PSF-1,000cSt Pure Silicone Fluid (food grade)** is a clear, colorless, and odorless 100% PDMS Silicone Oil / Polydimethylsiloxane fluid (CAS # 63148-62-9) with a viscosity of 1,000cSt (centistokes). It has a thicker viscosity than 1,000cSt and is preferred for applications that require a thicker / more tenacious film.

**PSF-1,000cSt Pure Silicone Fluid (food grade)** meets FDA requirements for use as a lubricant in food processing and packaging areas where incidental contact with food may occur. It is used as a lubricant and release agent in a wide range of applications that include: Food Processing, Food Packaging, Manufacture of Paper and Paperboard for Food Products, Food Treatment, Bottling and Canning, Food Transportation and Food Shipment.

### Meets the requirements of the following FDA regulations:

- FDA 21 CFR 173.340 Defoaming Agent
- FDA 21 CFR 175.105 Adhesives
- FDA 21 CFR 175.300 Resinous and Polymeric Coatings
- FDA 21 CFR 175.170 Components of Paper & Paperboard in Contact with Aqueous & Fatty Foods
- FDA 21 CFR 175.180 Components of Paper & Paperboard in Contact with Dry Food
- FDA 21 CFR 176.210 Defoaming Agent used in the Manufacture of Paper and Paperboard
- FDA 21 CFR 177.1210 Closures with Sealing Gasket for Food Containers
- FDA 21 CFR 178.3120 Animal Glue
- FDA 21 CFR 178.3570 Lubricant with Incidental Food Contact

### Specifications

Chemical Name	Polydimethylsiloxane
CAS #	63148-62-9
Product code	PSF-1,000cSt
Appearance	Clear Liquid :
Odorless	Yes
Non-Flammable	Yes
Availability	1-gallon, 5-gallon, 55-gallon drum
Minimum Order	1-gallon

### Features

- Clear, Colorless, Odorless fluid
- 100% PDMS Silicone Polydimethylsiloxane (CAS # 63148-62-9)
- Excellent Lubrication
- Non-Flammable
- High Damping Action...meets VV-D-1078 " Silicone as Damping Fluid"
- Wide Service temperature range: -40°C to 150°C (open system)
- Chemically Inert
- Excellent Thermal Stability
- High water repellency
- High oxidation resistance
- O-ring Lubricant: inert to virtually all o-rings, gaskets, valves and seals.

### Environmental & VOC Status

Clearco Pure Silicone Fluid is exempt from Federal VOC Regulations, including California (CARB) and OTC Regulations. It does not contribute to ozone depletion and global warming. In addition, it meets the following:

- RoHS Compliant
- HAP-free
- VOC Exempt

### Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point °C open cup	V.T.C.	Surface Tension	Thermal Expansion cc/cc/c 0-150°C	Thermal Conductivity g/cal/cm/sec °C	Specific Heat BTU/lb. F
0.971	1.4035	-50°C	315°C	0.61	21.2	0.00096	0.00038	0.36

### Packaging

1-gallon.....	8lb / 3.6kg
5-gallon pail.....	40 lbs / 18kg
55-gallon drum.....	440 lbs / 200kg
F.O.B. Phila, PA U.S.A.	

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