



Product Information

Pure Silicone Fluid 350cSt NSF H1 Food Grade

NSF H1 Registered Fluid: NSF Registration No. 134111 Meets FDA 21 CFR specs for incidental food contact



NSF H1 Food Grade Registered
100% PDMS Silicone /
Polydimethylsiloxane Fluid

Pure Silicone Fluids 350cSt (food grade) is a clear, colorless, and odorless 100% PDMS Silicone Oil / Polydimethylsiloxane fluid (CAS # 63148-62-9) with a viscosity of 350cSt (centistokes). 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.

Pure Silicone 350cSt (food grade) is registered with the NSF (a continuation of the USDA) Nonfood Compound Registration Program as an H1 lubricant that is approved for use in food processing and packaging areas where incidental contact with food may occur.

NSF H1 Registration No: 134111

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-350cSt
NSF Registration #	134111
Appearance	Clear Liquid :
Odorless	Yes
Non-Flammable	Yes
Availability	1-gallon, 5-gallon, 55-gallon drum
Minimum Order	1-gallon (3.785 liters)

Features

- Clear, Colorless, Odorless fluid
- NSF H1 Registered: NSF Registration No. 134111
- 100% PDMS Silicone Oil / Polydimethylsiloxane
- Excellent Lubrication
- High Damping Action...meets VV-D-1078 "
- Silicone as Damping Fluid"
- Wide Service temperature range: -40°C to 150°C (open system)
- Excellent Thermal Stability
- High water repellency
- High oxidation resistance
- O-ring Lubricant: inert to virtually all o-rings, gaskets, valves and seals.

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point 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
0.970	1.4032	-50°C	315°C	0.60	21.1	0.00096	0.00037	0.36

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

Packaging

1-gallon.....	8lb / 3.6kg
5-gallon pail.....	40 lbs / 18kg
55-gallon drum.....	440 lbs / 200kg
275-gallon IBC Tote.....	2,204 lbs / 1MT

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