



Product Information

Pure Silicone Fluid 5cSt

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



Pure Silicone Fluid 5cSt is a low viscosity 100% silicone with a viscosity slightly higher than water.

Pure Silicone Fluid 5cSt is a linear low viscosity 100% Polydimethylsiloxane (CAS # 63148-62-9) that has a viscosity of 5cSt (centistokes) @ 25°C. It does not contain additives or solvents.

Pure Silicone Fluid 5cSt 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 resistance to oxidation, high damping action (meets VV-D-1078 "Silicone as Damping Fluid") and low temperature stability (-90°C pour point). It is the lowest viscosity that will not evaporate in an open system.

Pure Silicone Fluid 5cSt is inert to virtually all o-rings, gaskets, valves and seals. It is an excellent lubricant for plastic, rubber and foam surfaces.

Other uses include: Damping Fluid, Low Temperature Bath Fluid, Rubber and Plastic lubricant, O-Ring lubricant.

Specifications

Chemical Name	Polydimethylsiloxane
INCI/CTFA Name	Dimethicone
CAS #	63148-62-9
Appearance	Clear Liquid – Odorless & Tasteless
Viscosity Class	Low
Non-Flammable	Yes
Thermally Stable	Yes
Availability	1 – 5 – 55 gallon drums
NSN No's	NSN 9150-00-435-2712 NSN 9150-00-087-4046 NSN 9150-00-137-6343
Minimum Order	1-gallon

Features

- Lowest viscosity that will not evaporate in an open system
- Excellent Lubrication
- Non-Flammable
- Excellent Low Temperature Performance -90°C Pour Point
- Low Surface tension
- Low V.T.C (little viscosity change at both high and low temperatures)
- Chemically Inert
- High Compressibility
- High Damping Action...meets federal spec VV-D-1078 "Silicone as Damping Fluid"
- High Oxidation Resistance
- VOC exempt

Typical Product Data

Specific Gravity	Viscosity-Temp Coefficient	Flash Point	Pour Point	Refractive Index	Thermal Expansion cc/cc/°C 0-150°C	Thermal Conductivity @ 25C g/cal/cm/sec °C	Surface Tension	Dielectric Constant	Dielectric Strength
0.918	0.54	135°C	-90°C	1.3970	0.00109	0.00028	19.7	2.60	375

Product Data (cont'd)

Boiling Point	Vapor Density (air = 1)	Vapor Pressure @ 25°C	Max volatility, % wt loss @ 150°C	Molecular weight
>200°C	>1	<10mmHg	90%	770

Packaging

1-gallon pail.....	3.25kg
5-gallon pail.....	16.25kg
4 x 5-gallon pails	
55-gallon drum.....	190kg
F.O.B. Phila, PA	

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
 Web: www.clearcoproducts.com