



Pure Silicone Fluid 1cSt (Octamethyltrisiloxane)

Volatile Super Low-Viscosity Silicone (CAS#107-51-7) INCI Name: Trisiloxane



Pure Silicone Fluid 1cSt has a viscosity of water.

Pure Silicone Fluid 1cSt is a 100% super-low viscosity linear Polydimethylsiloxane composed mainly of Octamethyltrisiloxane (CAS#107-51-7). The fluid is clear, colorless and essentially odorless with a viscosity of water (1 centistokes).

PSF-1cSt is characterized by its low viscosity, high rate of evaporation, low pour point (-85°C), low VTC (viscosity change at temperature), low surface tension (high spreadability), high damping action (meets federal spec VV-D-1078 "Silicone as Damping Fluid" and excellent lubrication. In closed systems, it is an excellent low temperature bath fluid.

PSF-1cSt (Trisiloxane) is also used in a number of personal care products due to its excellent spreading and unique evaporation characteristics. It features good solubility in anhydrous alcohols and in a wide variety of solvents. In addition, it leaves no residue or build-up, has a transient effect, and a non-greasy feel. Products include: antiperspirants, deodorants, skincare lotions, suntan lotions, cosmetics etc.

SPECIFICATIONS

Chemical Family	Polydimethylsiloxane
Chemical name	Octamethyltrisiloxane
CAS No.	CAS 107-51-7
INCI Name	Trisiloxane
Appearance	Clear, colorless & odorless fluid
Flammability	HMIS 3
Federal Spec	VV-D-1078 Silicone as damping fluid
NSN	NSN 9150-00-066-2382 NSN 9150-00-116-0323
Minimum Order	1-gallon

CAS Information

Octamethyltrisiloxane >85%....CAS # 107-51-7
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FEATURES

- Super low viscosity...viscosity of water
- Excellent Lubrication
- Low Surface Tension
- High Spreadability
- High Compressibility
- High Damping Action...meets VV-D-1078
- 100% evaporation...excellent carrying agent
- Clear, Colorless, Odorless
- Excellent Low Temp Performance
- Low Pour Point: -85°C
- VOC Exempt

PRICING:

1-gallon.....	2.5kg
5-gallon pails.....	14kg
4 x 5-gallon pails	
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/sec °C	Thermal conductivity g/cal/cm/sec °C	Surface tension	Dielectric Constant	Dielectric Strength volts/mil
1cSt	0.818	0.37	39°C	-85°C	1.3825	0.00134	0.00024	17.4	2.30	350

Typical Product Data (cont'd)

Boiling Point	Vapor Density (air = 1)	Vapor Pressure @ 25°C	Evaporation rate butyl acetate = 1	Molecular weight
151°C	>1	4mm	0.7	237

For More Information, Contact:

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