



Product Information

PSF-10cSt Dimethicone Fluid

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



PSF-10cSt Dimethicone Fluid is a low viscosity cosmetic grade polydimethylsiloxane fluid (CAS # 63148-62-9)

PSF-10cSt Dimethicone Fluid is a cosmetic grade low viscosity Polydimethylsiloxane (CAS # 63148-62-9) that has a viscosity of 10cSt (centistokes) @ 25°C.

PSF-10cSt Dimethicone Fluid is characterized by its low viscosity (close to water), excellent lubricity, soft-emollient feel, low surface tension (high spreadability), and low pour point (-70°C).

PSF-10cSt Dimethicone Fluid is used in a wide range of personal care products, providing a soft velvety feel when applied to both hair and skin. It provides a hydrophobic, protective, but breathable barrier to the skin (allows skin to perspire).

PSF-10cSt Dimethicone Fluid provides lubricity without greasiness, and prevents stickiness in skincare products. Its low surface tension allows the fluid to spread easily and it is particularly effective when blended with Cyclomethicone fluids.

PSF-10cSt Dimethicone Fluid is exempt from Federal VOC regulations including California CARB, OTC and South Coast Air Quality Management.

Specifications

Chemical Family	Silicone
Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS No.	63148-62-9
Appearance	Clear Liquid – Odorless & Tasteless
Non-Flammable	Yes
Thermally Stable	Yes
Federal Spec	VV-D-1078
Meets specifications of NSN No's	NSN 9150-00-664-0111 NSN 9150-00-607-0897
Minimum Order	1-gallon

Features

- Excellent base fluid in cosmetic formulations
- Lowest viscosity that will not evaporate in an open system
- Excellent Lubrication
- Low Pour Point (-70°C)
- Low Surface Tension – High Spreadability
- Low V.T.C (little viscosity change at both high and low temperatures)
- Provides a soft, emollient feel to skin
- Prevents stickiness in skin care products
- Compatible with a wide range of solvents
- Hydrophobic: water repellent
- Inert: improves stability and shelf-life of formulations
- VOC exempt

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point (closed cup)	Surface Tension	Thermal Conductivity @ 25°C g/cal/cm/sec °C	Thermal Expansion cc/cc °C	Volatile content @ 70°C	Specific Heat @ 25°C	Boiling Point
0.935	1.3990	-70°C	163°C	20.1	0.00032	0.00108	0.68%	0.360	>200°C

Packaging

1-gallon pail.....	3.52kg
5-gallon pail.....	17.6kg
4 x 5-gallon pails	
55-gallon drum.....	190kg
Terms F.O.B. Phila, PA	

For More Information, Contact:

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