



## Product Information

### PSF-20cSt Dimethicone Fluid

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



Pure Silicone Fluid 20cSt is a low viscosity 100% silicone with a viscosity slightly higher than water.

**PSF-20cSt Dimethicone Fluid** is a cosmetic grade low viscosity Polydimethylsiloxane (CAS # 63148-62-9) that has a viscosity of 20cSt (centistokes) @ 25°C.

**PSF-20cSt 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 (-650°C).

**PSF-20cSt 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 imparts a hydrophobic, protective, but breathable barrier to the skin (allows skin to perspire).

**PSF-20cSt 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-20cSt Dimethicone Fluid** is exempt from Federal VOC regulations including California CARB, OTC and South Coast Air Quality Management.

#### Specifications

Chemical Name	Polydimethylsiloxane
INCI/CTFA Name	Dimethicone
CAS No.	63148-62-9
Appearance	Clear, odorless fluid
Viscosity Class	Low
Non-Flammable	Yes
Meets NSN No.	9150-00-543-7219 9150-00-487-4219 9150-00-219-5229
Federal Spec	VV-D-1078
Availability	1 – 5 – 55 gallon drums
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	Surface Tension Dynes cm @ 25°C	Thermal Conductivity @ 25°C g/cal/cm/sec °C	Thermal Expansion cc/cc °C	Volatile content @ 150°C	Specific Heat @ 25°C
0.950	1.4000	-65°C	232°C	20.6	0.00034	0.00107	4.5%	0.360

#### Properties (cont'd)

Viscosity-temp coefficient	Boiling Point	Molecular weight
0.59	>230°C	2,000

#### Packaging

1-gallon pail.....	3.6kg
5-gallon pail.....	18kg
55-gallon drum.....	200kg
Terms F.O.B. Phila, PA	

#### For More Information, Contact:

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