



### PSF-1.5cSt Dimethicone Fluid (Decamethyltetrasiloxane)

#### Super Low-Viscosity Silicone Fluid: Decamethyltetrasiloxane (CAS # 141-62-8)



Pure Silicone Fluid 1.5cSt has a viscosity similar to water.

**PSF-1.5cSt Dimethicone Fluid** is a super low-viscosity volatile Polydimethylsiloxane that is primarily Decamethyltetrasiloxane (CAS#141-62-8). The fluid is clear, colorless and essentially odorless with a viscosity of 1.5cSt (centistokes), which is close to water.

**PSF-1.5cSt Dimethicone Fluid** is characterized by its fast evaporation rate, low pour point, low surface tension and high miscibility with other fluids. Due to these properties, it is used as a base fluid in a wide range of personal care products that require fast evaporation and high spreadability. Unlike other volatile fluids, PSF-1.5cSt Dimethicone Fluid does not cool the skin as it evaporates and will not leave any greasy residue.

**PSF-1.5cSt Dimethicone Fluid** provides excellent lubricity and will remain a fluid at extremely low temperatures. It features good solubility in anhydrous alcohols and other cosmetic solvents such as Cyclomethicones.

**PSF-1.5cSt Dimethicone Fluid** is exempt from Federal VOC regulations including California CARB, OTC and South Coast Air Quality Management.

#### Specifications

Chemical family	Polydimethylsiloxane
Chemical name	Decamethyltetrasiloxane
CAS No.	141-62-8
INCI Name	Dimethicone
Appearance	Clear, colorless & odorless fluid
Meets NSN No	NSN 9150-01-193-2060
Pour Point	-90°C
Minimum Order	1-gallon

#### Features

- Super low viscosity...close to water
- Excellent Lubrication
- Low Pour Point: -90°C Pour Point
- Fast evaporation rate
- Low Surface Tension – high spreadability
- High Miscibility with other oils...including Dimethicones, esters, and phenyltrimethicone.
- Takes away greasy feel when combines with cosmetic oils.
- Leaves no residue
- Exempt from federal VOC regulations

#### CAS Information

Identity	CAS #	%
Decamethyltetrasiloxane	141-62-8	3-95

#### VOC Status

- VOC Exempt
- VOC Exempt carrying agent – alternative to non VOC compliant solvents
- Add to non VOC-Compliant formulations to achieve compliancy

#### Typical Product Data

Viscosity @25°C	Specific Gravity	V.T.C.	Flash Point	Pour Point	Refractive Index	Thermal Expansion cc/cc °C	Thermal Conductivity g/cal/cm/ sec °C	Surface Tension	Dielectric Constant	Dielectric Strength volts/mil
1.5cSt	0.853	0.46	63°C	-90°C	1.3880	0.00134	0.00025	18.0	2.39	350

#### Product Data (cont'd)

Boiling Point	Vapor Density (air = 1)	Vapor Pressure @ 25°C	Evaporation Rate Buty acetate = 1	% Volatile	Molecular weight
194°C	>1	1mmHg	0.7	100%	340

#### Packaging

1-gallon pail.....	3.2kg
5-gallon pail.....	16kg
4 x 5-gallon pails	
55-gallon drum.....	150kg
Terms: F.O.B. Phila, PA U.S.A.	

#### For More Information, Contact:

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