



### Pure Silicone Fluid 0.65cSt (Hexamethyldisiloxane)

**Lowest Viscosity linear polydimethylsiloxane: Hexamethyldisiloxane (CAS#107-46-0)**



Hexamethyldisiloxane fluid is a VOC Exempt Fluid that is an excellent replacement for non-VOC compliant petroleum distillates and solvent carrying agents

**Pure Silicone Fluid 0.65cSt** is a 100% low viscosity polydimethylsiloxane, Hexamethyldisiloxane (CAS#107-46-0). The product is clear, colorless and essentially odorless. PSF-0.65cSt possesses the fastest evaporation rate of all silicone fluids, the highest compressibility, the lowest viscosity, and the lowest surface tension. It is used in a wide array of applications that require a fast evaporating fluid that possesses high Spreadability.

**Pure Silicone Fluid 0.65cSt Hexamethyldisiloxane is VOC Exempt.** It is an excellent carrying agent replacement for solvent-based formulations to attain VOC Compliance. Unlike acetone, PSF-0.65cSt is compatible with the vast majority of surfaces and will not attack plastic, rubber and vinyl surfaces. In addition, it does not have the strong odor of acetone.

**PSF-0.65cSt** is used as a base fluid in a number of personal care products with excellent spreading and unique volatility characteristics. It is formulated in: skin cream lotions, bath oils, suntan lotions, nail polishes, antiperspirants, deodorants, hair sprays and other beauty and hair care products.

Features/Benefits: VOC Exempt, 100% volatility, Fastest evaporation rate of silicone fluids, cosmetic grade, lowest surface tension, highest compressibility, high spreadability, excellent lubrication

#### Specifications

Chemical Family	Polydimethylsiloxane
Chemical name	Hexamethyldisiloxane
CAS No.	107-46-0
Formula	C6H18OSi2
Synonym	HMDS, HMDO, MM
Appearance	Clear Liquid – Odorless & Tasteless
Flammability	HMIS 4
Federal Spec	VV-D-1078 Silicone as damping fluid
Meets NSN No's	NSN 9150-01-055-5995 NSN 9150-00-550-7000
Minimum Order	1 gallon (2.5kg)

#### Features

<ul style="list-style-type: none"> <li>• Fastest evaporation of the polydimethylsiloxane fluids</li> <li>• Lowest viscosity of all silicone fluids</li> <li>• Clear, colorless and virtually odorless</li> <li>• Excellent Lubrication</li> <li>• Lowest surface tension...Highest Spreadability</li> <li>• Highest Compressibility of all silicone fluids</li> <li>• Fastest evaporation rate of all silicone fluids</li> <li>• Excellent Low Temp Stability</li> <li>• Pour point: -68°C</li> </ul> <p><b>VOC Exempt Status</b></p> <ul style="list-style-type: none"> <li>• VOC Exempt</li> <li>• Excellent replacement for non-VOC Compliant carrying agents such as hexane, heptane, OMS</li> <li>• Compatible with most surfaces unlike acetone</li> <li>• Virtually odorless: Does not have the strong odor of acetone</li> </ul>
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#### Typical Product Data

Viscosity	Specific Gravity	Viscosity-temp coefficient	Flash Point	Pour Point	Refractive Index	Thermal Expansion cc/cc °C	Thermal conductivity g/ca/cm/sec °C	Surface Tension	Dielectric Constant	Dielectric Strength volts/mil
0.65cSt	0.761	0.31	-1°C	-68°C	1.3750	0.00134	0.00024	15.9	2.20	300

#### Product Data (cont'd)

Boiling Point	Vapor density	Vapor Pressure @ 25C	Evaporation Rate Butyl acetate = 1	Molecular weight
100°C	>1	35mmHg	>1	162

#### CAS Information

Hexamethyldisiloxane (100%)... CAS # 107-46-0

\* Highly flammable liquid

#### Packaging

1-gallon.....	2.5kg
5-gallon pail.....	14kg.
55-gallon drum.....	150kg
F.O.B. Phila, PA 19135	

#### 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](mailto:info@clearcoproducts.com)

Web: [www.clearcoproducts.com](http://www.clearcoproducts.com)