

## PSF-0.65cSt HMDS Silicone Fluid

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



PSF-0.65cSt HMDS is a Hexamethyldisiloxane fluid with the lowest viscosity and lowest surface tension of the PDMS Silicone Fluids

**PSF-0.65cSt HMDS Silicone Fluid** is a 100% low viscosity Hexamethyldisiloxane (CAS#107-46-0) with a viscosity of 0.65cSt @ 25°C. The fluid 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.

**PSF-0.65cSt HMDS Silicone Fluid is VOC Exempt.** It is an excellent carrying agent replacement for solvent-based formulations to attain VOC Compliancy. 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 HMDS** 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

Product Code	PSF-0.65cSt HMDS
Chemical Family	Polydimethylsiloxane
Chemical name	Hexamethyldisiloxane
CAS No.	107-46-0
INCI Name	Hexamethyldisiloxane
Appearance	Clear, colorless fluid
Flammability	HMIS 4
Minimum Order	1 gallon (3.785 liters)

### Features

- Fastest evaporation of the PDMS Silicone fluids
- Lowest viscosity of all PDMS Silicone fluids
- Clear, colorless and virtually odorless
- Excellent Lubrication
- Lowest surface tension...Highest Spreadability
- Highest Compressibility of all silicone fluids
- Fastest evaporation rate of all silicone fluids
- Excellent Low Temp Stability
- Pour point: -68°C

### Typical Product Data

Viscosity	Specific Gravity	Viscosity-temp coefficient	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
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 @760mm Hg	Vapor density	Vapor Pressure @ 25C	Evaporation Rate Butyl acetate = 1	Molecular weight
100°C	>1	35mmHg	>1	162

### Packaging

1-gallon (3.785 liters).....2.8kg net wt.  
 5-gallon pail (18.9 liters).....14kg net wt.  
 55-gallon drum.....50kg net wt.

F.O.B. Phila, PA U.S.A.

### CAS Information

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

\* Highly flammable liquid

### VOC Status

- VOC Exempt
- Excellent replacement for non-VOC Compliant carrying agents such as hexane, heptane, OMS
- Compatible with most surfaces unlike acetone
- Virtually odorless: Does not have the strong odor of acetone

### For More Information, Contact: Silico Organosilicon Co., Inc.

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