PSF-0.65cSt HMDS Silicone Fluid

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

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**Specifications**

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

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**Typical Product Data**

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Specific Gravity</th>
<th>Viscosity-temp coefficient</th>
<th>Flash Point</th>
<th>Pour Point</th>
<th>Refractive Index</th>
<th>Thermal Expansion</th>
<th>Thermal conductivity</th>
<th>Surface Tension</th>
<th>Dielectric Constant</th>
<th>Dielectric Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.65cSt</td>
<td>0.761</td>
<td>0.31</td>
<td>-1°C</td>
<td>-68°C</td>
<td>1.3750</td>
<td>0.00134</td>
<td>0.00024</td>
<td>15.9</td>
<td>2.20</td>
<td>300</td>
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</tbody>
</table>

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**Product Data (cont’d)**

<table>
<thead>
<tr>
<th>Boiling Point @760mm Hg</th>
<th>Vapor density</th>
<th>Vapor Pressure @ 25°C</th>
<th>Evaporation Rate</th>
<th>Molecular weight</th>
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</thead>
<tbody>
<tr>
<td>100°C</td>
<td>&gt;1</td>
<td>35mmHg</td>
<td>&gt;1</td>
<td>162</td>
</tr>
</tbody>
</table>

**Packaging**

- 1-gallon (3.785 liters) ................. 2.8kg net wt.
- 5-gallon pail (18.9 liters) ............. 14kg net wt.
- 55-gallon drum ......................... 150kg net wt.

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

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**CAS Information**

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

*Highly flammable liquid*

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**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

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For More Information, Contact:

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