**PSF-High Viscosity Dimethicone Fluids (5,000cSt to 100,000cSt)**

**CAS No. 63148-62-9 Polydimethylsiloxane**

**INCI Name: Dimethicone**

**Specifications**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Polydimethylsiloxane</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCI Name</td>
<td>Dimethicone</td>
</tr>
<tr>
<td>CAS #</td>
<td>63148-62-9</td>
</tr>
</tbody>
</table>

**Product Codes**

- PSF-5,000cSt
- PSF-10,000cSt
- PSF-12,500cSt
- PSF-30,000cSt
- PSF-60,000cSt
- PSF-100,000cSt

**Packaging**

- 1-gallon pail: 3.6kg
- 5-gallon pail: 18kg
- 55-gallon drum: 200kg

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

**Features and Benefits**

- High Viscosity
- Excellent Lubrication
- Low Surface Tension: High Spreadability
- 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
- Increase body & shine in hair care products
- Seal-in moisture: prevent hair damage

**Features and Benefits**

- High Viscosity Dimethicones improve both wet and dry compatibility, impart humidity resistance and a soft feel to hair as well as improve shine.

**Typical Properties**

<table>
<thead>
<tr>
<th>Specific Gravity</th>
<th>5,000cSt</th>
<th>10,000cSt</th>
<th>12,500cSt</th>
<th>30,000cSt</th>
<th>60,000cSt</th>
<th>100,000cSt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refractive Index</td>
<td>1.4036</td>
<td>1.4036</td>
<td>1.4036</td>
<td>1.4036</td>
<td>1.4036</td>
<td>1.4037</td>
</tr>
<tr>
<td>Flash Point (Open Cup) °C</td>
<td>315°C</td>
<td>315°C</td>
<td>315°C</td>
<td>315°C</td>
<td>315°C</td>
<td>315°C</td>
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<tr>
<td>Pour Point °C</td>
<td>-50°C</td>
<td>-48°C</td>
<td>-46°C</td>
<td>-42°C</td>
<td>-42°C</td>
<td>-41°C</td>
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<tr>
<td>Surface Tension @ 25°C</td>
<td>21.3</td>
<td>21.3</td>
<td>21.3</td>
<td>21.5</td>
<td>21.5</td>
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<tr>
<td>Viscosity-temp-coefficient</td>
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<td>0.61</td>
<td>0.61</td>
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<tr>
<td>Thermal Expansion cc/cc/°C</td>
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<td>0.00096</td>
<td>0.00096</td>
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<tr>
<td>Thermal Conductivity g cal/cm sec °C</td>
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<tr>
<td>Dielectric Strength (volts/mil)</td>
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</table>

For More Information, Contact:

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Web: www.clearcoproducts.com

Hi-Viscosity Dimethicones Fluids enhance the effectiveness of Personal Care products and are particularly effective as conditioner additives.