SF69 silicone fluid is a specialty silicone fluid characterized by low viscosity and a surface tension lower than that of most silicone fluids. SF69 is a blend of silanol fluid and cyclic silicone. SF69 fluid has been used in both high viscosity and in air-dry coatings.

Key Features and Benefits

- Upgrades coatings surface characteristics
- Low viscosity
- Effective with high viscosity coatings
- Solubility in a wide range of solvents

Potential Applications

SF69 silicone fluid has been found useful as an aid in the reduction of pigment float, cratering and orange peel, particularly in high viscosity coatings and in air-dry coating systems. SF69 fluid is also used to increase the wetting ability of spray coatings.

Processing Recommendations

Processing Guidelines

SF69 fluid has been found useful at a concentration between 50 and 150 parts per million by weight based on total coating weight. Coatings containing SF69 fluid should be tested, particularly for recoatability before being used in production. Dilution of SF69 fluid in a solvent, or in one of the components of the coatings, simplifies the addition of low concentrations. SF69 fluid is soluble in aromatic and aliphatic hydrocarbons in ethers and in many alcohols. It is

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone Content, %</td>
<td>100</td>
</tr>
<tr>
<td>Specific Gravity @ 25C (77F)</td>
<td>0.97</td>
</tr>
<tr>
<td>Density, lbs gal</td>
<td>8.00</td>
</tr>
<tr>
<td>Viscosity @ 25C (77F), cps</td>
<td>1 - 40</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Flash Point, Pensky-Martens Closed Cup °C (°F)</td>
<td>63 (145)</td>
</tr>
<tr>
<td>Volatility (2 gm sample) when heated for 24 hrs. @ 150C (302F)</td>
<td>40 - 60%</td>
</tr>
<tr>
<td>Surface Tension</td>
<td>20 dynes/cm</td>
</tr>
<tr>
<td>Reducing Solvent</td>
<td>Aliphatic and Aromatic Hydrocarbons</td>
</tr>
</tbody>
</table>
not soluble in water or in methyl alcohol.

SF69 fluid can be added either in the mill base or at the final stages of production. Addition is often made at the mill base to aid in pigment dispersion and produce more lasting effects.

**Patent Status**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

**Product Safety, Handling and Storage**

The warranty period is 12 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 27°C (80°F) or below.

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials (MPM) representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

**Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

From automotive to healthcare, from electronics to construction, products from Momentive Performance Materials Inc. are practically everywhere you look. We are a global leader in silicones and advanced materials with a 70+ year heritage of innovation and being first to market—with performance applications that improve everyday life. By knowing our customers’ needs and creating custom technology platforms for them, we provide science based solutions to help customers increase performance, solve product development issues and engineer better manufacturing processes.

**Contact Information**

For product prices, availability, or order placement, contact our customer service by visiting [www.momentive.com/Contacts](http://www.momentive.com/Contacts)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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