SF1550

INCI NAME
Phenyl Trimethicone

Description
SF1550 is a phenyl substituted silicone fluid which is compatible with organic materials used in personal care products. It provides gloss and sheen in hair care products, emolliency and water repellancy in skin care products and detackification in cosmetic products.

Key Features and Benefits
■ Gloss, sheen and heat resistance in hair care applications.
■ Non-oily emolliency and antiwhitening properties in antiperspirants.
■ Soft smooth feel in skin care applications while acting as a water barrier.
■ Detackification and emolliency in cosmetic products.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone Solids,%</td>
<td>100</td>
</tr>
<tr>
<td>Viscosity @ 25°C (77°F), cSt.</td>
<td>15 - 30</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.97 - 0.99</td>
</tr>
<tr>
<td>Color, APHA Max</td>
<td>15</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Flash point min., °C (°F)</td>
<td>123 (254)</td>
</tr>
<tr>
<td>Refractive Index, 25°C (77°F)</td>
<td>1.45 - 1.47</td>
</tr>
<tr>
<td>Turbidity, (ntu)</td>
<td>5 Max.</td>
</tr>
</tbody>
</table>

Momentive Specification Ranges

<table>
<thead>
<tr>
<th>Property</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>0.97</td>
<td>0.99</td>
</tr>
<tr>
<td>Ref Index @ 25 C</td>
<td>1.4549</td>
<td>1.4626</td>
</tr>
</tbody>
</table>

Solubility data
Key: I = Insoluble at < 1% by weight
PS = Partially Soluble at 1-10% by weight
Potential Applications
SF1550 silicone fluid can be used in hair care products, antiperspirants, skin care products and cosmetics to improve their aesthetics and functionality.

General Instructions for Use
SF1550 is added to the Oil or Silicone phase.
SF1550 can be cold processed.
Suggested level of Use: 1 - 5%

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 24 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 25°C (77°F).

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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