

## SF1550

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 Typical 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

Property	Value
Silicone Solids,%	100
Viscosity @ 25°C (77°F), cSt.	15 - 30
Specific Gravity	0.97 - 0.99
Color, APHA Max	15

Appearance	Clear Liquid
Flash point min., °C (°F)	123 (254)
Refractive Index, 25°C (77°F)	1.45 - 1.47
Turbidity, (ntu)	5 Max.

	<b>Momentive Specification Ranges</b>	
<b>Property</b>	<b>Min</b>	<b>Max</b>
Specific Gravity	0.97	0.99
Ref Index @ 25C	1.4549	1.4626

### **Solubility data**

Key: I = Insoluble at < 1% by weight

PS = Partially Soluble at 1-10% by weight

S = Soluble at 10% by weight or higher

MATERIAL	SF1550
Water	I
Mineral Spirits	S
Isopar E, G, L	S
Mineral Oil 65/75 SUS	S
Mineral Oil 200/210 SUS	S
Oleic Acid	S
Castor Oil	PS
Ethanol 95%	S
Ethanol SDA-40	S
Isopropanol	S
n-Butanol	S
n-Amyl Alcohol	S
2-Ethyl Hexanol	S
Lauryl Alcohol	S
Cetyl Alcohol	S
Oleyl Alcohol	S
Propylene Glycol	I
Glycerin	I
PEG-6	I
Isopropyl Palmitate	S
Isopropyl Myristate	S
TEA Lauryl Sulfate (40%)	I
Polyoxyethylene (20) Sorbitan monoleate	I
Sorbitan Oleate	PS
Cyclotetrasiloxane (SF1173)	S
Cyclopentasiloxane (SF1202)	S
Dimethicone (SF96-200)	S
Amodimethicone (SF1708)	S
Diisostearoyl Trimethylolpropane Siloxy Silicate (SF1318)	S
Cetearyl Methicone (SF1632)	I

## 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 the 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 Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any 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.

### **Contact Information**

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

## Telephone

<b>Americas</b>	<b>Latin America</b>	<b>EMEAI- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
+1 800 295 2392	<b>Brazil</b>	<b>Europe</b>	<b>China</b>
Toll free*	+55 11 4534 9650	+390510924300	800 820 0202
+704 805 6946	Direct Number	Direct number	Toll free
Direct Number			+86 21 3860 4892
			Direct number
*All American countries	<b>Mexico</b>	<b>India, Middle East &amp; Africa</b>	<b>Japan</b>
	+52 55 2169 7670	+ 91 44 71212207	+81 3 5544 3111
	Direct Number	Direct number*	Direct number
		<b>*All Middle Eastern countries, Africa, India,</b>	<b>Korea</b>
			+82 2 6201 4600

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

## DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS

**OR SERVICES DESCRIBED HEREIN.** Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.