



SF1550

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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

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.

Property	Momentive Specification Ranges	
	Min	Max
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

SF1550

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
Diisostearyl 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 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 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.

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Contact Information

For product prices, availability, or order placement, contact our customer service by visiting www.momentive.com/Contacts

For literature and technical assistance, visit our website at: www.momentive.com

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