

## SF1540

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### Description

SF1540 silicone emulsifier is a 40% solution of a polyether silicone copolymer dispersed in cyclopentasiloxane. The specific weight ratio of polyether to silicone in SF1540 creates a hydrophilic (polyether portion) / hydrophobic (silicone portion) structure that results in the ability of SF1540 to act as a highly stabilizing water in oil emulsifier. SF1540 contains a significantly higher concentration of polyether silicone copolymer than standard products of this type. The recommended use level of SF1540 is 2.5-5%, thus providing better formulation flexibility. In addition to its emulsification ability, SF1540 imparts a soft silky afterfeel, enhances water repellency and increases durability.

### INCI NAME

Cyclopentasiloxane (and) PEG/PPG-20/15 Dimethicone

### Key Features and Typical Benefits

- Excellent water in oil emulsifier
- Cold emulsification processing
- Good water wash off resistance and durability
- Non-settling
- Good pigment dispersion

### Typical Physical Properties

Property	Unit	Value
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<b>Appearance</b>		Opaque liquid
<b>Solid Content</b>	%	40
<b>Viscosity at 25°C</b>	mm <sup>2</sup> / s	10000 - 50000
<b>Flash point</b>	°C	77
<b>Freezing point</b>	°C	<-40

## Potential Applications

- Antiperspirants
- Cream and lotions
- Sunscreens
- Color products: foundations, lipsticks
- Pigmented dispersions
- Shampoos
- Conditioners
- Hair styling products

## Containers

SF 1540 is available in 18kg pails and 181kg drums.

## 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 12 months from date of shipment from Momentive performance materials if stored in the original unopened container at 25°C.

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.

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