SF1540

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
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</thead>
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<table>
<thead>
<tr>
<th>Appearance</th>
<th>Opaque liquid</th>
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<tbody>
<tr>
<td>Solid Content</td>
<td>%</td>
</tr>
<tr>
<td>Viscosity at 25°C</td>
<td>mm²/ s</td>
</tr>
<tr>
<td>Flash point</td>
<td>°C</td>
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<tr>
<td>Freezing point</td>
<td>°C</td>
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**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 or, upon request, from any MPM representative. For product

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Limitations
Customers must evaluate Momentive Performance Materials products and make their
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Contact Information
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For literature and technical assistance, visit our website at: www.momentive.com

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