

## SF1236

SF1236

### INCI NAMES

SF1236 Dimethicone

SF1276 Dimethicone

CF1251 Dimethicone

### Product Description

SF1236, SF1276 and CF1251 are blends of a high molecular weight silicone polymer dispersed in a low viscosity silicone fluid. These blends provide enhanced performance in personal care products.

**SF1236** is a blend of silicone gum in a 5 centistoke polydimethylsiloxane fluid.

**SF1276** is a blend of silicone gum in a 20 centistoke polydimethylsiloxane fluid.

**CF1251** is a blend of silicone gum in a 350 centistoke polydimethylsiloxane fluid.

### Key Features and Typical Benefits

#### Hair Care

- Provides excellent wet and dry combing
- Improves softness
- Enhances shine
- Provides improved manageability and conditioning

## Skin Care

- Imparts a soft, smooth, velvety feel
- Provides excellent emolliency
- Imparts a durable film
- Improves spreadability, applicaton and rub-in Antiwhitening/Antisoaping agent

## Typical Properties

Property	SF1236	SF1276	CF1251
Silicone Content, %	100	100	100
Viscosity @ 25°C, cPs	3500-6000	7500-10000	350000- 850000
Color	Clear	Clear	Clear
Specific Gravity, 25°C	0.914-0.934	0.9621	0.965-0.985
Refractive Index @25°C	1.393-1.403	1.4029	1.400-1.410

## SOLUBILITY DATA

### Key

**I = Insoluble at < 1% by weight**

**PS = Partially Soluble at 1-10% by weight**

**S = Soluble at > 10% by weight**

Solvent Type	Material	SF1236	SF1276	CF1251
Highly Polar	Water	I	I	I
Hydrocarbon & Vegetable Oils	Mineral Oil 65/75 SUS	I	I	I
	Mineral Oil 220/210 SUS	I	I	I
	Petrolatum	I	I	I
	Cottonseed (Gossypium) Oil	I	I	I
	Castor (Ricinus Communis) Oil	I	I	I
	Sunflower (Helianthus Annuus) Seed Oil	I	I	I
	Maleated Soybean Oil	I	I	I
	Wheat (Triticum Vulgare) Germ Oil	I	I	I
Alcohols & Glycols	Cetyl Alcohol			I I I
	Ethanol			I I I
	SD Alcohol 40			I I I
	Isopropyl Alcohol			I I I
	Mineral Spirits			S S I
	2-Ethyl-Hexanol			I I I
	Lauryl Alcohol			I I I
	Stearyl Alcohol			I I I
	Ethylene Glycol			I I I
	Propylene Glycol			I I I
	Glycerin			I I I
Esters	Isopropyl Palmitate			I I I
	Isopropyl Myristate			S S I
	Myristyl Propionate			I I I
	PPG-2 Myristyl Ether Propionate			I I I

Silicones	Dimethicone (SF96-350)	S	S	S
	Cyclopentasiloxane (SF1202)	S	S	PS
	Diisostearoyl Trimethylpropane Siloxy Silicate (SF1318)	I	I	I
	Phenyl Trimethicone (SF1550)	S	S	I
Waxes	Paraffin	I	I	I
	Ozokerite	I	I	I
	Candelilla (Euphorbia Cerifera) Wax	I	I	I
	Beeswax	I	I	I
	Carnuba (Copernicia Cerifera) Wax	I	I	I
Sunscreens	Octyl Dimethyl PABA	I	I	I
	Benzophenone-3	I	I	I
	Octyl Methoxycinnamate	I	I	I
	Octyl Salicylate	I	I	I
Pigments	D& C Orange No. 5	I	I	I
	D& C Red No. 21	I	I	I
	Iron Oxides	I	I	I
Lanolin	Lanolin	I	I	I
Other	Tocopheryl Acetate	I	I	I

## Potential Applications

- Protective Skin Products
- Sunscreen Products
- Facial Make-Up
- Lotion
- Color Cosmetics
- 2/1 Shampoos
- Hair Conditioners

## General Instructions for Use

SF1236 is added to the Oil or Silicone phase.

SF1236 can be cold processed.

Suggested use levels:1-5%

**Limitations**

Standard copy to come

**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 for SF1236 is 24 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 25°C (77°F). The warranty period for SF1276 and CF1251 is 12 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.

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