

## CF1251

### CF1251

#### 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.

#### INCI NAMES

SF1236 Dimethicone

SF1276 Dimethicone

CF1251 Dimethicone

#### Key Features and 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, application and rub-in Antiwhitening/Antisoaping agent

## Typical Physical Properties

Property	SF1236	SF1276	CF1251
Silicone Content, %	100	100	100
Viscosity @ 25°C, cPs	3000-5500	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

## **Patent Status**

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## **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).

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## **Limitations**

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## **Contact Information**

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