

## BeauSil™ GEL 8003 Silicone Crosspolymer as an ingredient for Personal Care

### Description

Silicone elastomer gels are an important raw material for modern high-end cosmetic products such as BB creams, lipglosses, pencils, foundations, primers, soft focus and anti-aging face creams for an even matte finish.

### Key Features

- Matt effect
- No balling effect when rubbed on skin
- Silky skin feel
- Supports moisturizing

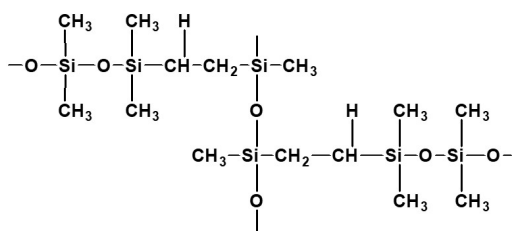
### Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Skin Care

### Application

BeauSil GEL 8003 is a high molecular weight specialty silicone elastomer carried in D5. BeauSil GEL 8003 features a non-tacky, ultra-smooth feel with haze free clarity.

### Structure of a Crosspolymer Gel



### Health & Safety

Safety Data Sheet available on request.

### Packaging

Drums. Contact our sales department for further information.

Revision Date 12 May 2021  
Revision No 2  
Download Date 29 Nov 2021

Property	Test Method	Value
<b>Product</b>		
Appearance		<b>Viscous Clear Gel</b>
Crosspolymer Content (%)		<b>5-10</b>
INCI Name		<b>Cyclopentasiloxane (and) Dimethicone/Vinyldimethicone Crosspolymer</b>
Ionicity		<b>Non-ionic</b>
MIT Free		<b>Yes</b>
Viscosity	Brookfield	<b>250000 cP</b>
<b>Addition Rates</b>		
Dosage - 1		<b>0.1 - 10.0% in Sun Care</b>
Dosage - 2		<b>0.3 - 15.0% in Color Cosmetic and Skin Care</b>
Dosage - 3		<b>10.0 - 80.0% in Primer</b>
<b>Solubility</b>		
Solubility - Almond oil		<b>Insoluble</b>
Solubility - Cetyl Dimethicone		<b>Insoluble</b>
Solubility - Dimethicone 350cst		<b>Soluble</b>
Solubility - Ethanol		<b>Insoluble</b>
Solubility - Ethylhexylcarbonate		<b>Soluble</b>
Solubility - Glycerine		<b>Insoluble</b>
Solubility - IPM		<b>Insoluble</b>
Solubility - Isododecane		<b>Soluble</b>
Solubility - Paraffin Oil		<b>Insoluble</b>
Solubility - Polysorbate-20		<b>Insoluble</b>
Solubility - Propylenglycol		<b>Insoluble</b>
Solubility - Water		<b>Insoluble</b>
<b>Storage</b>		
Max Storage Temperature		<b>40 °C / 104 °F</b>
Min Storage Temperature		<b>4 °C / 39 °F</b>
Shelf Life		<b>18 mths</b>

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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