

BeauSil™ GEL 8046 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

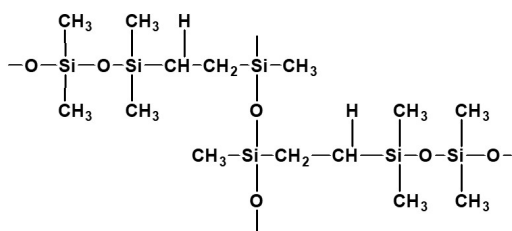
Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Skin Care

Application

BeauSil GEL 8046 is a high molecular weight specialty silicone elastomer carried in a special mixture of organic oils. BeauSil GEL 8046 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
Product		
Appearance		Viscous Clear Gel
Crosspolymer Content (%)		15-25%
INCI Name		C13-15 Alkane (and) Isododecane (and) Dimethicone/Vinyldimethicone Crosspolymer (and) Caprylyl Methicone
Ionicity		Non-ionic
MIT Free		Yes
Viscosity	Brookfield	250000 cP
Addition Rates		
Dosage - 1		0.1 - 10.0% in Sun Care
Dosage - 2		0.3 - 15.0% in Color Cosmetic and Skin Care
Dosage - 3		10.0 - 80.0% in Primer
Solubility		
Solubility - Almond oil		Insoluble
Solubility - Cetyl Dimethicone		Miscible
Solubility - Dimethicone 350cst		Soluble
Solubility - Ethanol		Insoluble
Solubility - Ethylhexylcarbonate		Soluble
Solubility - Glycerine		Insoluble
Solubility - IPM		Insoluble
Solubility - Isododecane		Soluble
Solubility - Paraffin Oil		Insoluble
Solubility - Polysorbate-20		Insoluble
Solubility - Propylenglycol		Insoluble
Solubility - Water		Insoluble
Storage		
Max Storage Temperature		40 °C / 104 °F
Min Storage Temperature		4 °C / 39 °F
Shelf Life		18 mths

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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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