

## CHT-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

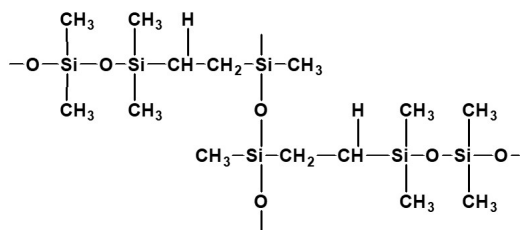
### Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Skin Care

### Application

CHT-BeauSil™ GEL 8046 is a high molecular weight specialty silicone elastomer carried in a special mixture of organic oils. CHT-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 30 Nov 2021

Revision No 3

Download Date 20 Apr 2024

### Property

#### Product

Appearance

Crosspolymer Content (%)

INCI Name

Ionicity

MIT Free

Viscosity

#### Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

#### Solubility

Solubility - Almond oil

Solubility - Cetyl

Dimethicone

Solubility - Dimethicone

350cst

Solubility - Ethanol

Solubility -

Ethylhexylcarbonate

Solubility - Glycerine

Solubility - IPM

Solubility - Isododecane

Solubility - Paraffin Oil

Solubility - Polysorbate-20

Solubility - Propylenglycol

Solubility - Water

#### Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

### Test Method

### Value

Viscous Clear Gel

15-25%

C13-15 Alkane (and)  
Isododecane (and)  
Dimethicone/Vinyldimethicone  
Crosspolymer (and) Caprylyl  
Methicone

Non-ionic

Yes

Brookfield 250000 cP

0.1 - 10.0% in Sun Care

0.3 - 15.0% in Color Cosmetic  
and Skin Care

10.0 - 80.0% in Primer

Insoluble

Miscible

Soluble

Insoluble

Soluble

Insoluble

Insoluble

Soluble

Insoluble

Insoluble

Insoluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

18 mths

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