

## CHT-BeauSil™ GEL 8005 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 8005 is a high molecular weight speciality silicone elastomer carried in D5. CHT-BeauSil™ GEL 8005 features a non-tacky, powdery-smooth feel.

### 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 4  
Download Date 08 May 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

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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

Clear to slightly hazy Gel  
13-15

Cyclopentasiloxane (and)  
Dimethicone/Vinyldimethicone  
Crosspolymer

Non-ionic

Yes

Brookfield 200,000 - 400,000 cP

0.1 - 10.0% in Sun Care

0.3 - 15.0% in Color Cosmetic  
and Skin Care

10.0 - 80.0% in Primers

Insoluble

Insoluble

Soluble

Insoluble

Soluble

Insoluble

Insoluble

Soluble

Insoluble

Insoluble

Insoluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

18 mths

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