

## CHT-BeauSil™ GEL 8017 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 8017 is a high molecular weight speciality silicone elastomer carried in a special mixture of organic oils. CHT-BeauSil™ GEL 8017 features a non-tacky, ultra-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 14 May 2024

### Property

#### Product

Appearance  
Crosspolymer Content (%)

INCI Name

Ionicity  
MIT Free  
Ultralow cyclic content  
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

Clear Gel  
Approx. 6  
C13-15 Alkane (and)  
Isododecane (and)  
Dimethicone/Vinyldimethicone  
Crosspolymer (and) Caprylyl  
Methicone  
Non-ionic  
Yes  
Yes  
Brookfield 150,000 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  
Soluble  
Miscible  
Miscible  
Insoluble  
Insoluble

40 °C / 104 °F  
4 °C / 39 °F  
18 mths

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