

## 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 24 Apr 2024

### Property

#### Product

Appearance

Crosspolymer Content (%)

INCI Name

Ionicity

MIT Free

Ultralow cyclic content

Viscosity

### 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

### Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

0.1 - 10.0% in Sun Care

0.3 - 15.0% in Color Cosmetic  
and Skin Care

10.0 - 80.0% in Primer

### 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

Insoluble

Miscible

Soluble

Insoluble

Soluble

Insoluble

Soluble

Soluble

Miscible

Miscible

Insoluble

Insoluble

### Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

40 °C / 104 °F

4 °C / 39 °F

18 mths

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. 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.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com