

## CHT-BeauSil™ GEL 8187 EM Silicone Crosspolymer Emulsion 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

- Non-tacky, non-oily and smooth feel
- Minimal emulsifier requirement
- Matte finish
- Cold processing

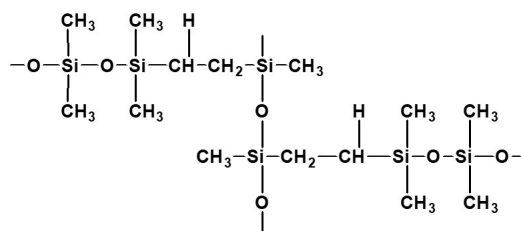
### Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Facial Masks

### Application

CHT-BeauSil™ GEL 8187 EM is a silicone elastomer specially designed to be formulated directly with the aqueous phase. CHT-BeauSil™ GEL 8187 EM can be formulated at low temperatures with minimal emulsifier required adding immediately improved perception in skin feel.

### Structure of a Crosspolymer Gel



### Health & Safety

Safety Data Sheet available on request.

### Packagin

Drums. Contact our sales department for further information.

Revision Date 16 Dec 2021  
Revision No 4  
Download Date 13 Aug 2022

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

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 blue to slightly hazy gel

Dimethicone (and)  
Polysilicone-11 (and) Decyl  
Glucoside (and) Butylene  
Glycol

Non-ionic

Yes

Approx. 44

Yes

Brookfield 500,000 cP

0.1 - 10.0% in Sun Care

0.3 - 15.0% in Color  
Cosmetic and Skin Care

0.1 -3.0% in Facial mask

Insoluble

Insoluble

Insoluble

Insoluble

Insoluble

Miscible

Insoluble

Insoluble

Insoluble

Miscible

Miscible

Soluble

40 °C / 104 °F

4 °C / 39 °F

12 mths

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