

## CHT-BeauSil™ GEL 8086 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 8086 is a high molecular weight speciality silicone elastomer carried in Dimethicone. CHT-BeauSil™ GEL 8086 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 19 May 2024

### Property

#### Product

Appearance  
Crosspolymer Content (%)  
INCI Name  
Ionicity  
MIT Free  
Ultralow cyclic content  
Viscosity

### Test Method

### Value

Clear Gel  
10-15  
Dimethicone (and)  
Polysilicone-11  
Non-ionic  
Yes  
No  
Brookfield 400,000 cP

### Addition Rates

Dosage - 1 0.1 - 10.0% in Sun Care  
Dosage - 2 0.3 - 15.0% in Color Cosmetic and Skin Care  
Dosage - 3 10.0 - 80.0% in Primer

### Solubility

Solubility - Almond oil Insoluble  
Solubility - Cetyl Dimethicone Insoluble  
Solubility - Dimethicone 350cst Soluble  
Solubility - Ethanol Insoluble  
Solubility - Ethylhexylcarbonate Miscible - Soluble  
Solubility - Glycerine Insoluble  
Solubility - IPM Insoluble  
Solubility - Isododecane Soluble  
Solubility - Paraffin Oil Insoluble  
Solubility - Polysorbate-20 Insoluble  
Solubility - Propylenglycol Insoluble  
Solubility - Water Insoluble

### Storage

Max Storage Temperature 40 °C / 104 °F  
Min Storage Temperature 4 °C / 39 °F  
Shelf Life 18 mths

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