# **TECHNICAL DATA SHEET**



## 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**

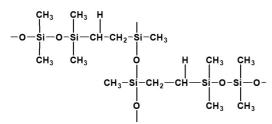
- Color Cosmetic
- Sun Care
- Primer

## 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	14 May 2024

	Property	Test Method	Value
	Product		
ling	Appearance		Clear Gel
	Crosspolymer Content (%)		10-15
	INCI Name		Dimethicone (and) Polysilocone-11
	lonicity		Non-ionic
	MIT Free		Yes
	Ultralow cyclic content		No
	Viscosity	Brookfield	400,000 cP
	Addition Rates		
	Dosage - 1		0.1 - 10.0% in Sun Care
	5		0.3 - 15.0% in Color
,	Dosage - 2		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 -		Miscible - Soluble
	Ethylhexylcarbonate		
	Solubility - Glycerine		Insoluble
	Solubility - IPM		Insoluble
	Solubility - Isododecane		Soluble
	Solubility - Paraffin Oil		Insoluble
	Solubility - Polysorbate-20		Insoluble
	Solubility - Propylenglycol		Insoluble

# Storage

Solubility - Water

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

Insoluble

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