# **TECHNICAL DATA SHEET**



# CHT-BeauSil™ GEL 8055 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**

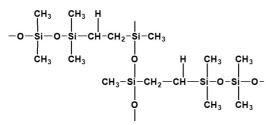
- Color Cosmetic
- Sun Care
- Primer

# Skin Care

## Application

CHT-BeauSil™ GEL 8055 is a high molecular weight specialty silicone elastomer carried in Dimethicone. CHT-BeauSil™ GEL 8055 features a non-tacky, ultra-smooth feel with haze free clarity.

## 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	3
Download Date	26 Apr 2024

	Property	Test Method	Value
g	Product Appearance		Clear gel
9	Crosspolymer Content (%)		Approx. 5
	INCI Name		Dimethicone (and) Dimethicone/Vinyldimethicone Crosspolymer
	Ionicity		Non-ionic
	MIT Free		Yes
	Ultralow cyclic content Viscosity	Prockfield	Yes
	VISCOSILY	Brookliela	Approx. 500,000 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		Miscible
	Solubility - Dimethicone		Soluble
	Solubility - Ethanol		Insoluble
	Solubility - Ethylhexylcarbonate		Soluble
	Solubility - Glycerine		Insoluble
	Solubility - IPM		Soluble
	Solubility - Isododecane		Soluble
	Solubility - Paraffin Oil		Miscible
	Solubility - Polysorbate-20		Miscible
	Solubility - Propylenglycol		Insoluble
	Solubility - Water		Insoluble
	Storage		

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

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