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

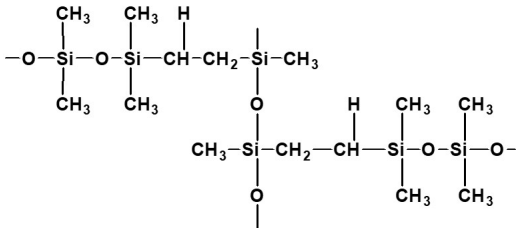
Key Applications

- 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
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Property	Test Method	Value
Product		
Appearance		**Clear Gel**
Crosspolymer Content (%)		**10-15**
INCI Name		**Dimethicone (and) Polysilocone-11**
Ionicity		**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**
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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