

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 18 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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