

CHT-BeauSil™ GEL 8017 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 8017 is a high molecular weight speciality silicone elastomer carried in a special mixture of organic oils. CHT-BeauSil™ GEL 8017 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 17 May 2024

Property

Product

Appearance
Crosspolymer Content (%)

INCI Name

Ionicity
MIT Free
Ultralow cyclic content
Viscosity

Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

Solubility

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

Storage

Max Storage Temperature
Min Storage Temperature
Shelf Life

Test Method

Value

Clear Gel
Approx. 6
C13-15 Alkane (and)
Isododecane (and)
Dimethicone/Vinyldimethicone
Crosspolymer (and) Caprylyl
Methicone
Non-ionic
Yes
Yes
Brookfield 150,000 cP

0.1 - 10.0% in Sun Care
0.3 - 15.0% in Color Cosmetic
and Skin Care
10.0 - 80.0% in Primer

Insoluble
Miscible
Soluble
Insoluble
Soluble
Insoluble
Soluble
Miscible
Miscible
Insoluble
Insoluble

40 °C / 104 °F
4 °C / 39 °F
18 mths

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