

CHT-BeauSil™ GEL 8003 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 8003 is a high molecular weight specialty silicone elastomer carried in D5. CHT-BeauSil™ GEL 8003 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 20 Apr 2024

Property

Product

Appearance

Crosspolymer Content (%)

INCI Name

Ionicity

MIT Free

Viscosity

Test Method

Value

Viscous Clear Gel

5-10

Cyclopentasiloxane (and)
Dimethicone/Vinyldimethicone
Crosspolymer

Non-ionic

Yes

Brookfield 250000 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

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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