

CHT-BeauSil™ GEL 8046 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 8046 is a high molecular weight specialty silicone elastomer carried in a special mixture of organic oils. CHT-BeauSil™ GEL 8046 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 29 Apr 2024

Property

Product

Appearance

Crosspolymer Content (%)

INCI Name

Ionicity

MIT Free

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

Viscous Clear Gel

15-25%

C13-15 Alkane (and)
Isododecane (and)
Dimethicone/Vinyldimethicone
Crosspolymer (and) Caprylyl
Methicone

Non-ionic

Yes

Brookfield 250000 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

Insoluble

Soluble

Insoluble

Insoluble

Insoluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

18 mths

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CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com