TECHNICAL DATA SHEET



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

Download Date 19 May 2024

Test **Property** Value Method

Product

Appearance **Viscous Clear Gel**

Crosspolymer Content (%) 15-25%

> C13-15 Alkane (and) Isododecane (and)

INCI Name Dimethicone/Vinyldimethicone

Crosspolymer (and) Caprylyl

Methicone

Ionicity Non-ionic MIT Free Yes Viscosity Brookfield 250000 cP

Addition Rates

Dosage - 1 0.1 - 10.0% in Sun Care 0.3 - 15.0% in Color Cosmetic Dosage - 2

and Skin Care

10.0 - 80.0% in Primer Dosage - 3

Solubility

Solubility - Almond oil Insoluble Solubility - Cetyl Miscible Dimethicone Solubility - Dimethicone Soluble 350cst Solubility - Ethanol Insoluble Solubility -Soluble Ethylhexylcarbonate Solubility - Glycerine Insoluble Insoluble Solubility - IPM Soluble Solubility - Isododecane 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