

## CHT-BeauSil™ GEL 8142 EM Silicone Crosspolymer Emulsion 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
- Superior Skin Feel
- Easy to use
- Smoothness without heavy feel

### Key Applications

- Skin Care
- Color Cosmetic
- Sun Care

### Application

CHT-BeauSil™ GEL 8142 EM is an emulsion of a crosspolymer gel for an easy use. The product is water dispersable and suitable for O/W emulsions. It provides ultra-smoothness and a non-tacky skin 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        3  
Download Date     17 May 2024

### Property

#### Product

Appearance

INCI Name

Ionicity

Non-Volatile Content (%)

Viscosity

#### Addition Rates

Dosage - 1

Dosage - 2

#### 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

White emulsion

Isododecane (and)  
Dimethicone/Vinyl  
Dimethicone Crosspolymer  
(and) Ceteth-10 (and)  
Laureth-4

Non-ionic

Approx. 15

Brookfield Approx. 100,000 cP

0.5 - 10.0% in Sun Care

1.0 - 15.0% in Color  
Cosmetic and Skin Care

Insoluble

Insoluble

Insoluble

Insoluble

Insoluble

Miscible

Insoluble

Insoluble

Insoluble

Miscible

Miscible

Soluble

40 °C / 104 °F

4 °C / 39 °F

12 mths

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet. CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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