

## BeauSil™ PEG 023 Modified polysiloxane as an ingredient for Personal Care.

### Description

Organo modified Silicone polymer for the use as ingredient in Personal Care applications. The unique product allows to formulate high end formulations.

### Key Features

- Cleansing effect
- Emulsifier for W/Si and W/O emulsions with dispersing and solubilizing properties
- Enhances Spreading
- Emollient and Conditioning agent

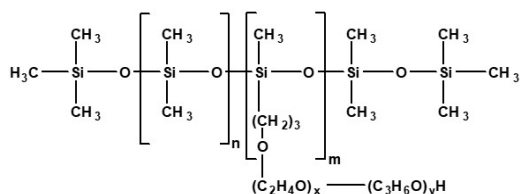
### Key Applications

- Hair Care
- Skin Care
- Color Cosmetic
- Sun Care

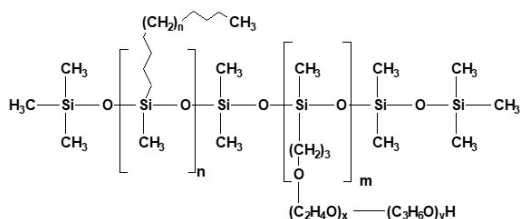
### Application

BeauSil PEG 023 is an emulsifier special for water – in – silicone emulsion as well as water – in – oil emulsion. The application fields for BeauSil PEG 023 are skin care and decorative cosmetic. BeauSil PEG 023 is suitable for making sun care products as well as body lotions.

### Structure examples of Silicone Emulsifiers / Surfactants



Example for PEG/PPG Dimethicone



Example for Alkyl-PEG/PPG Dimethicone

### Health & Safety

Safety Data Sheets available on request.

### Packaging

Drums and bulk containers. Please contact our sales department for more information

Revision Date 12 May 2021  
Revision No 2  
Download Date 29 Nov 2021

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

Ultralow cyclic content

Viscosity

#### Addition Rates

Dosage - 1

#### 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

Brookfield

### Value

Colourless to yellow liquid

PEG-10 dimethicone

Non-ionic

Yes

Approx. 100

Yes

450 - 800 cP

0.5 - 3.0% as emulsifier

Miscible

Miscible

Miscible

Soluble

Soluble

Soluble

Soluble

Miscible

Miscible

Miscible

Soluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

24 mths

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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.

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