

## CHT-BeauSil™ PEG 205 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, Dispersing and Solubilizing properties
- Enhances Spreading and Foam stabilizing
- Emollient and Conditioning agent

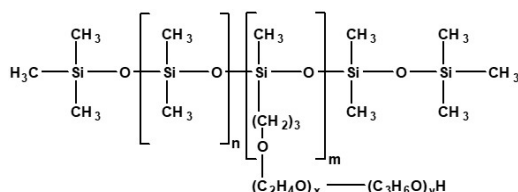
### Key Applications

- Hair Care
- Skin Care
- Color Cosmetic

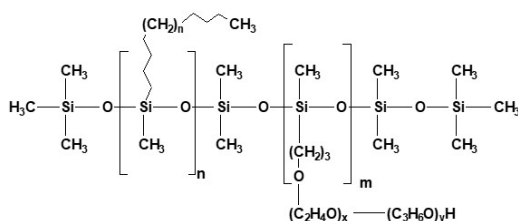
### Application

CHT-BeauSil™ PEG 205 is a polyether-functionalised siloxane used in various personal care applications. It is compatible with a wide range of cosmetic ingredients and provides stable formulations. CHT-BeauSil™ PEG 205 can be used as lubricant in shampoos or shower gels. In hair care formulation such as hair sprays CHT-BeauSil™ PEG 205 is used as plasticising agent for polymers. CHT-BeauSil™ PEG 205 can be used in shaving foams as foam stabiliser and for improving the gliding properties.

### Structure examples of Silicone Emulsifiers / Surfactants



Example for PEG/PPG Dimethicone



Example for Alkyl-PEG/PPG Dimethicone

### Use and Cure Information

Stir before use.

### Health & Safety

Safety Data Sheets available on request.

### Packaging

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

Revision Date 08 Dec 2021

Revision No 3

Download Date 19 Apr 2024

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

Ultralow cyclic content

Viscosity

### Test Method

### Value

Colourless to yellow liquid

PEG-12 dimethicone

Non-ionic

Yes

Approx. 100

Yes

Brookfield <800 cP

### Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

0.1 – 2.0% in cleansing formulations

0.5 - 3.0% as emulsifier

0.3 - 3.0% as emollient / conditioning agent

### 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

Miscible

Miscible

Miscible

Soluble

Insoluble

Miscible

Insoluble

Soluble

Miscible

Soluble

Miscible

Soluble

Soluble

### Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

40 °C / 104 °F

4 °C / 39 °F

24 mths

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