

## 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

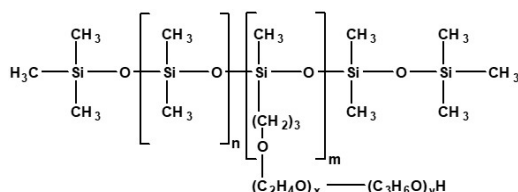
### Key Applications

- Hair Care
- Skin Care
- Color Cosmetic

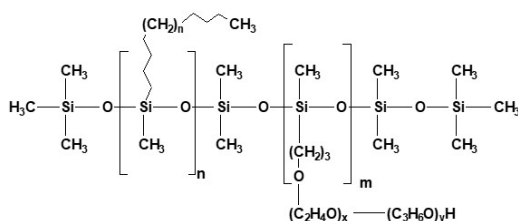
### Application

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 26 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

### Storage

Max Storage Temperature  
Min Storage Temperature  
Shelf Life

40 °C / 104 °F  
4 °C / 39 °F  
24 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