

## CHT-BeauSil™ PEG 010 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 O/W emulsion
- Enhances Spreading
- Emollient and Conditioning agent

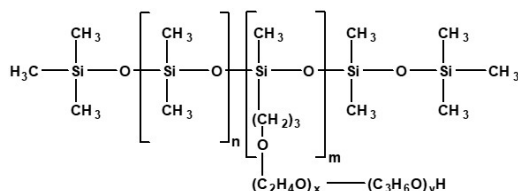
### Key Applications

- Skin Care
- Cleansing
- Shaving

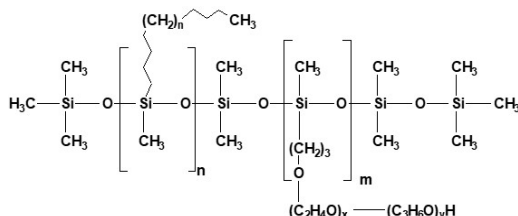
### Application

CHT-BeauSil™ PEG 010 is a water-soluble surfactant which due to its ambiphilic nature used as emulsifier and foam builder. CHT-BeauSil™ PEG 010 imparts lubricity and softness, improves skin and wet hair feel as well as combing properties. CHT-BeauSil™ PEG 010 prevents sticking in deodorants.

### 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 17 May 2024

### Property

#### Product

Appearance  
INCI Name  
Ionicity  
MIT Free  
Non-Volatile Content (%)  
Ultralow cyclic content  
Viscosity

### Test Method

### Value

Colourless to yellow liquid  
PEG/PPG-15/5 dimethicone  
Non-ionic  
Yes  
Approx. 100  
Yes  
Brookfield <1200 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  
Insoluble  
Insoluble  
Insoluble  
Insoluble  
Insoluble  
Insoluble  
Insoluble  
Soluble  
Insoluble  
Soluble

### Storage

Max Storage Temperature  
Min Storage Temperature  
Shelf Life

40 °C / 104 °F  
4 °C / 39 °F  
12 mths

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