

## CHT-BeauSil™ PEG 525 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

- Emulsifier for W/Si and W/O emulsions with dispersing and solubilizing properties
- Enhances Spreading
- Easy to use

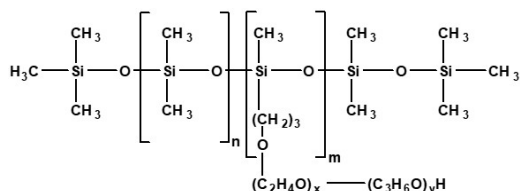
### Key Applications

- Skin Care
- Color Cosmetic
- Sun Care

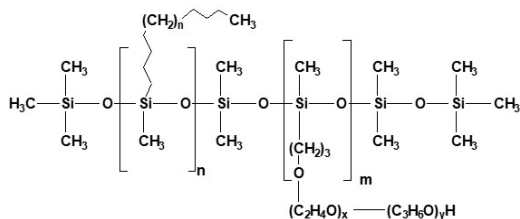
### Application

CHT-BeauSil™ PEG 525 is an emulsifier special for water – in – silicone emulsion as well as water – in – oil emulsion. The application fields for CHT-BeauSil™ PEG 525 are skin care products, color and decorative cosmetic. CHT-BeauSil™ PEG 525 is suitable for making sun care products.

### 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 12 Feb 2024  
Revision No 7  
Download Date 18 May 2024

### Property

#### Product

Appearance

HLB

INCI Name

Ionicity

Non-Volatile Content (%)

Viscosity

### Test Method

### Value

Translucent to hazy, slightly gray liquid. Slight sediment possible.

2-3

Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone

Non-ionic

10-15

Brookfield <100 cP

### Addition Rates

Dosage - 1

5-15% as emulsifier

### Solubility

Solubility - Almond oil

Miscible

Solubility - Cetyl Dimethicone

Miscible

Solubility - Dimethicone 350cst

Soluble

Solubility - Ethanol

Insoluble

Solubility - Ethylhexylcarbonate

Miscible

Solubility - Glycerine

Insoluble

Solubility - IPM

Miscible

Solubility - Isododecane

Soluble

Solubility - Paraffin Oil

Miscible

Solubility - Polysorbate-20

Insoluble

Solubility - Propylenglycol

Insoluble

Solubility - Water

Insoluble

### Storage

Max Storage Temperature

40 °C / 104 °F

Shelf Life

24 mths

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