

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

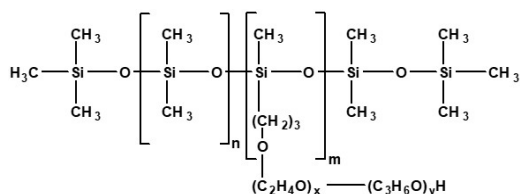
Key Applications

- Hair Care
- Skin Care
- Color Cosmetic

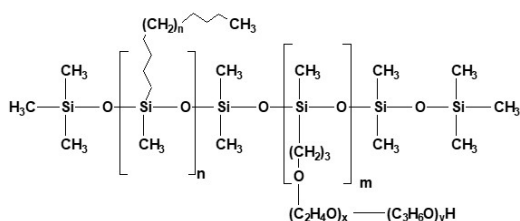
Application

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 29 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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