

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

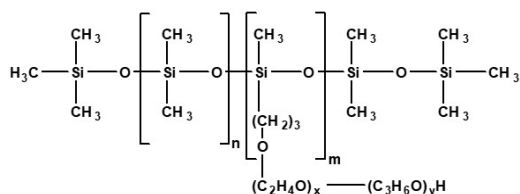
Key Applications

- Hair Care
- Skin Care
- Color Cosmetic

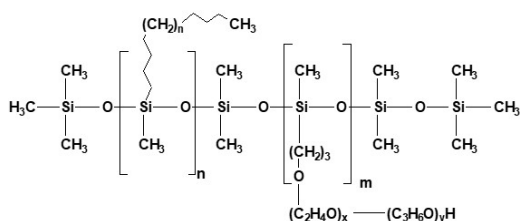
Application

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

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 13 Aug 2022

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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