

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

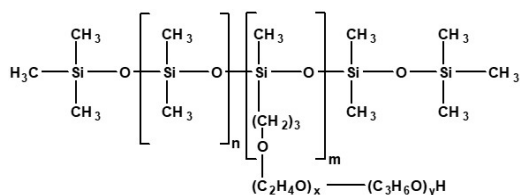
Key Applications

- Hair Care
- Skin Care
- Color Cosmetic

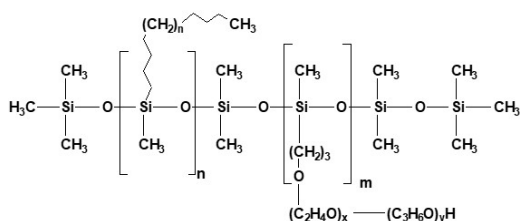
Application

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. BeauSil PEG 205 can be used as lubricant in shampoos or shower gels. In hair care formulation such as hair sprays BeauSil PEG 205 is used as plasticising agent for polymers. 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 12 May 2021
Revision No 2
Download Date 29 Nov 2021

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

Miscible

Soluble

Miscible

Soluble

Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

40 °C / 104 °F

4 °C / 39 °F

24 mths

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time.

The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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