

BeauSil™ QUAT 211

Microemulsion of a modified siloxane as an ingredient for Personal Care.

Description

Cationic modified silicone polymer for the use as an ingredient in Personal Care. The cationic polymer has a high affinity to the hair and can work as well as a booster for other ingredients like PQ-10, Amodimethicone and other polymers.

Key Features

- Improves combing behaviour
- Conditioner, Smoothness, Gloss
- Repairing properties
- Heat protection

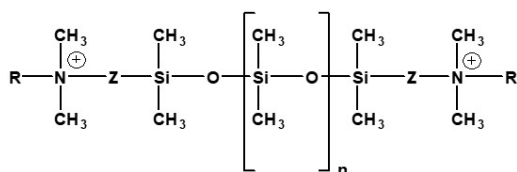
Key Applications

- Shampoo
- Leave-On Products water based
- Shower Gels
- Treatments

Application

BeauSil QUAT 211 is a conditioning agent for hair care products such as shampoos, conditioners and styling products. It provides optimum conditioning effects (gloss, shine, antistatic effects, wave enhancement, combing effect) in hair care treatments.

Structure of a Silicone Quat



Health & Safety

Safety Data Sheets available on request

Packaging

Drum 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

pH (10% solution)

Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

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

Storage

Max Storage

Temperature

Min Storage Temperature

Shelf Life

Test Method

Value

Colourless to slightly yellow liquid

Silicone quaternium-17 (and) PEG-7 glyceryl cocoate (and) caprylyl/capryl glucoside (and) lauryl glucoside

Cationic

Yes

Approx. 30

Yes

6-7

0.5 - 4.0 % in shampoos / shower gels

0.8 - 5.0% in conditioner

0.1 - 1.5% in leave-on

Miscible

Miscible

Miscible

Miscible

Insoluble

Miscible

Miscible

Miscible

Miscible

Miscible

Soluble

Soluble

40 °C / 104 °F

4 °C / 39 °F

12 mths

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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.

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