

## CHT-BeauSil™ QUAT 211 EM 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

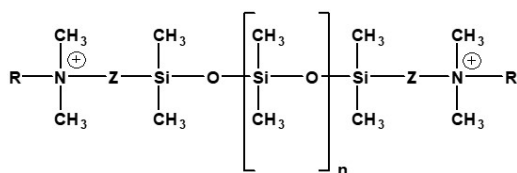
### Key Applications

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

### Application

CHT-BeauSil™ QUAT 211 EM 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 20 Oct 2023  
Revision No 4  
Download Date 17 Apr 2024

### 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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