

## CHT-BeauSil QUAT 255 L 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
- Smoothness and gloss
- Repairing properties
- Anti-static effect

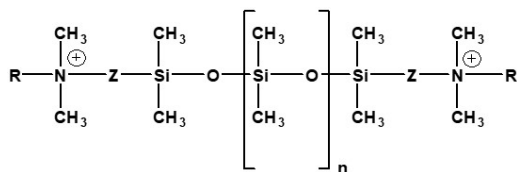
### Key Applications

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

### Application

CHT-BeauSil™ QUAT 255 is an ideal ingredient for many types of hair care products like shampoos, conditioners, leave-on treatments or 2-in-1 shower gels. Beside providing the conditioning effect, CHT-BeauSil™ QUAT 255 is also ideal as booster for other cationic ingredients like amodimethicones, PQ-10, PQ-7 or the sugar modified silicones such as CHT-BeauSil™ AMO 918 EM.

### Structure of a Silicone Quat



### Health & Safety

Safety Data Sheets available on request

### Packagin

Drum and bulk containers. Please contact our sales department for more information.

Revision Date 21 Jul 2022

Revision No 2

Download Date 22 Mar 2023

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

Ultralow cyclic content

#### 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 yellow liquid

Quaternium-80

Cationic

Yes

100

No

0.5 – 1.5% in shampoos

0.5 – 2.0% in rinse-off products

0.1 – 0.5% in leave-on products

Miscible

Miscible

Miscible

Soluble

Soluble

Soluble

Soluble

Insoluble

Insoluble

Miscible

Soluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

24 mths

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