

## CHT-BeauSil™ QUAT 255 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

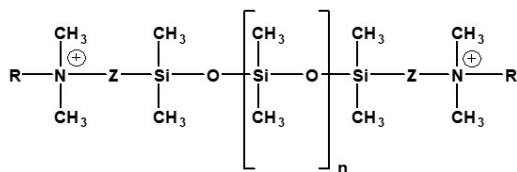
### Key Applications

- 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

### Packaging

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

Revision Date 08 Dec 2021  
Revision No 3  
Download Date 08 May 2024

### Property

#### Product

Appearance  
INCI Name  
Ionicity  
MIT Free  
Non-Volatile Content (%)  
Ultralow cyclic content

### Test Method

### Value

Colourless to yellow liquid  
Quaternium-80  
Cationic  
Yes  
100  
No

#### Addition Rates

Dosage - 1 0.5 – 1.5% in shampoos  
Dosage - 2 0.5 – 2.0% in rinse-off products  
Dosage - 3 0.1 – 0.5% in leave-on products

#### Solubility

Solubility - Almond oil Miscible  
Solubility - Cetyl Dimethicone Miscible  
Solubility - Dimethicone 350cst Miscible  
Solubility - Ethanol Soluble  
Solubility - Ethylhexylcarbonate Soluble  
Solubility - Glycerine Soluble  
Solubility - IPM Soluble  
Solubility - Isododecane Insoluble  
Solubility - Paraffin Oil Insoluble  
Solubility - Polysorbate-20 Miscible  
Solubility - Propylenglycol Soluble  
Solubility - Water Insoluble

#### Storage

Max Storage Temperature 40 °C / 104 °F  
Min Storage Temperature 4 °C / 39 °F  
Shelf Life 6 mths

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