

## CHT-BeauSil™ QUAT 202 Silicone quat blend for the use as ingredient for Car and Home Care products

### 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

- Water soluble
- Improves combing
- Conditioning for Hair
- Light Feel

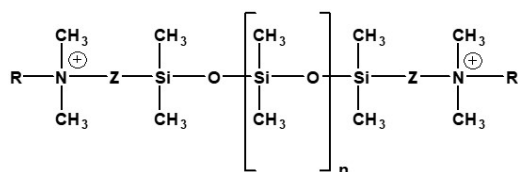
### Key Applications

- Shampoo
- Conditioner (Rinse-Off)
- Hair Treatments (Leave-In)
- Showergels

### Application

CHT-BeauSil™ QUAT 202 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 202 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 16 Aug 2023

Revision No 7

Download Date 08 May 2024

### Property

#### Product

Appearance

Chemistry

INCI Name

Ionicity

Non-Volatile Content (%)

Ultralow cyclic content

Viscosity

Test  
Method

Value

Colourless to yellowish fluid

Silicone quat  
Quaternium-80 (and)  
Propylenglycol  
Cationic

Approx. 50

Yes

Brookfield 500 - 1.500 cP

#### Addition Rates

In Conditioners

0.5 to 2.0% %

In Leave on Products

0.1 to 1.0% %

In Shampoos

0.1 to 2.0% %

#### Solubility

Solubility - Almond oil

Yes

Solubility - Cetyl Dimethicone

No

Solubility - Dimethicone  
350cst

No

Solubility - Ethanol

Yes

Solubility -

Ethylhexylcarbonate

Yes

Solubility - Glycerine

Yes

Solubility - IPM

Yes

Solubility - Isododecane

Yes

Solubility - Paraffin Oil

No

Solubility - Polysorbate-20

Yes

Solubility - Propylenglycol

Yes

Solubility - Water

Yes

#### Storage

Max Storage Temperature

40°C °C / 104 °F

Min Storage Temperature

+4°C °C / 39 °F

Shelf Life

12 mths

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