

## CHT-BeauSil™ QUAT 212 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

- Conditioning agent for shampoos and treatment
- Ideal for daily use or mild formulation
- For normal and greasy hair
- Supports volume

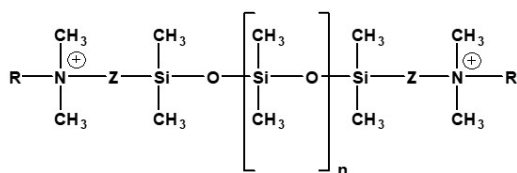
### Key Applications

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

### Application

CHT-BeauSil™ QUAT 212 EM is an ideal conditioning agent for transparent formulation e.g. Shampoos. The strong cationic character of the Silicouquat polymer makes it ideal for light formulations and greasy hair. Beside Shampoo it can be used also in conditioner, leave-on products and 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 08 Dec 2021  
Revision No 3  
Download Date 14 May 2024

### Property

#### Product

Appearance

Density

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

Colorless to yellowish

BS ISO  
2781 1 g/cm3

Quaternium-80 (and) PEG-7  
glyceryl cocoate (and)  
caprylyl/capryl glucoside  
(and) lauryl glucoside

Cationic

Yes

Approx. 30

Yes

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

Miscible

Soluble

Insoluble

Insoluble

Miscible

Miscible

Soluble

Soluble

40 °C / 104 °F

4 °C / 39 °F

12 mths

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. 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.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com