

# TECHNICAL DATA SHEET

## 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

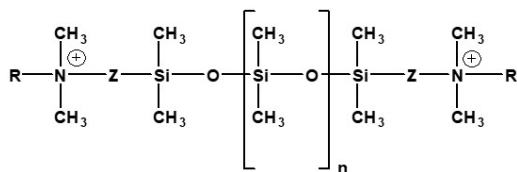
#### Key Applications

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

#### Application

BeauSil QUAT 212 EM is an ideal conditioning agent for transparent formulation e.g. Shampoos. The strong cationic character of the Siliconequat 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

#### Packagin

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

Revision Date 12 May 2021

Revision No 2

Download Date 04 Dec 2021

#### 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

BS ISO  
2781

#### Value

Colorless to yellowish

1 g/cm<sup>3</sup>

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

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