

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

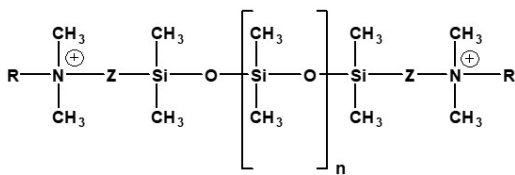
Key Applications

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

Application

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, 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 BeauSil AMO 918.

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 12 May 2021
Revision No 2
Download Date 29 Nov 2021

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

6 mths

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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.

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