

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

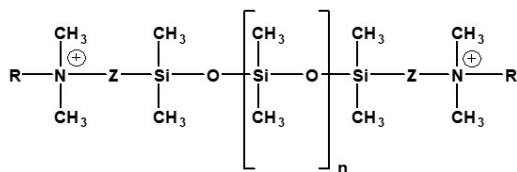
Key Applications

- 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 17 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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