

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

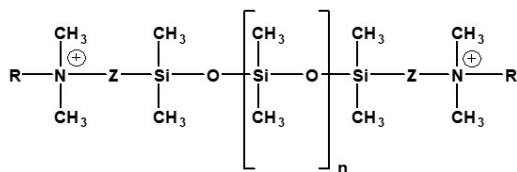
Key Applications

- 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 16 Apr 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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