

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

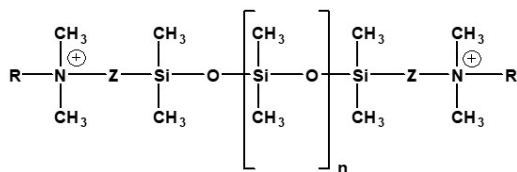
Key Applications

- 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

Packagin

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

Revision Date 08 Dec 2021

Revision No 3

Download Date 13 Aug 2022

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
Insoluble
Insoluble
Miscible
Soluble
Insoluble

40 °C / 104 °F
4 °C / 39 °F
6 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