

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

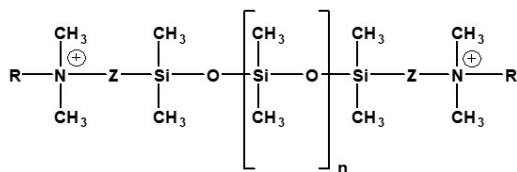
Key Applications

- 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 18 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

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