TECHNICAL DATA SHEET

CHT-BeauSil QUAT 255 L
Modified siloxane as an ingredient for Personal Care.

Description

Cationic modifed 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

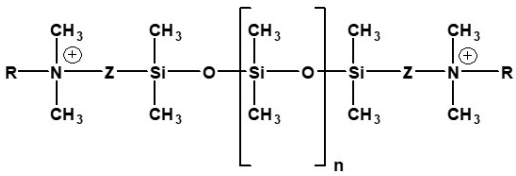
Key Applications

- 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	21 Jul 2022
Revision No	2
Download Date	03 Jul 2024

Property	Test Method	Value
Product		
Appearance		**Colourless to yellow liquid**
INCI Name		**Quaternium-80**
Ionicity		**Cationic**
MIT Free		**Yes**
Non-Volatile Content (%)		**100**
Ultralow cyclic content		**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		**24 mths**

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