

SOFTYCON ST-45

Silicone softener for cellulose and its blends



SOFTYCON ST-45

Silicone emulsion for cellulose and its blends

Features and benefits

- Silicone microemulsion ➡ gives the fabric an inner softness
- Can be used on all type of fibres ➡ high flexibility due to universally applicable product
- Particularly recommended for cellulose and its blends ➡ increase of the handle quality, e.g. a particularly fluffy and voluminous handle is achieved on terry towels
- The product gives synthetic articles a smooth surface ➡ reduction of friction
- No yellowing tendency and can be combined with optical brighteners ➡ suitable for white goods
- High resistance to boiling temperature, alkali and electrolytes and besides this high shear stability ➡ increased process reliability by reducing interactions and therefore the possibility of over dyeing
- Overall applicable in exhaust and continuous processes ➡ flexible production planning possible
- Hydrophilic ➡ the textile gets a pleasant wear comfort
- GOTS, bluesign and ZDHC listed ➡ fulfillment of market requirements for sustainable, ethical and fair textiles

Composition

Silicone emulsion

Ionogenity

Non-ionic / weakly cationic

Field of application

SOFTYCON ST-45 is suitable for all types of textiles, particularly for CEL and its blends. Especially on terry towels a particular fluffy and voluminous handle is achieved.

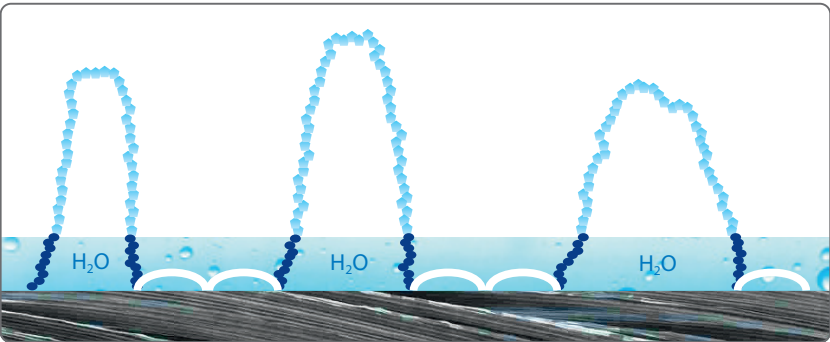
SOFTYCON ST-45 increases the water absorption capacity of the treated fabric. Therefore SOFTYCON ST-45 is the preferred choice where moisture management and fast drying properties are required, while at the same time increasing hydrophilicity.

Application quantities

SOFTYCON ST-45 is pre-diluted with one to two times the amount of cold water and then added to the application liquor.

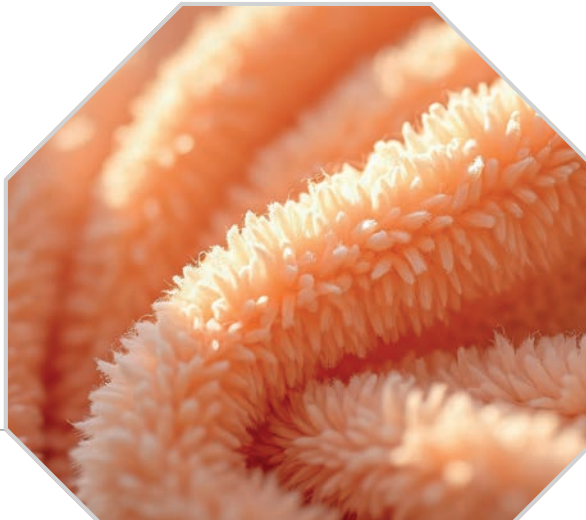
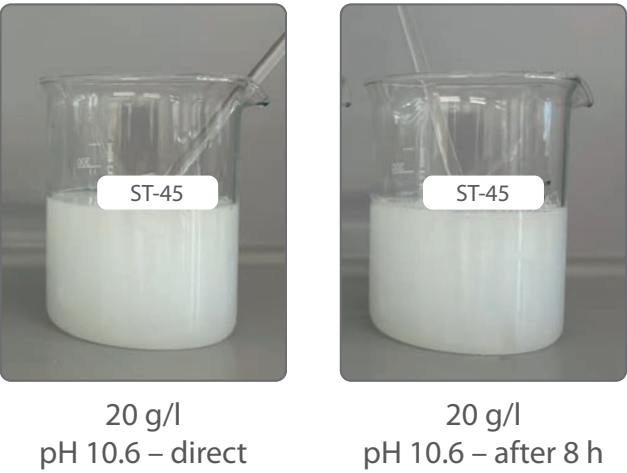
Application quantity			
Discontinuous	0.5 – 1.5 pH 4.5 – 5.5	%	SOFTYCON ST-45 acetic acid 40 °C, 20 min dry
Continuous	2.0 – 20.0 pH 4.5 – 5.5	g/l	SOFTYCON ST-45 acetic acid dry

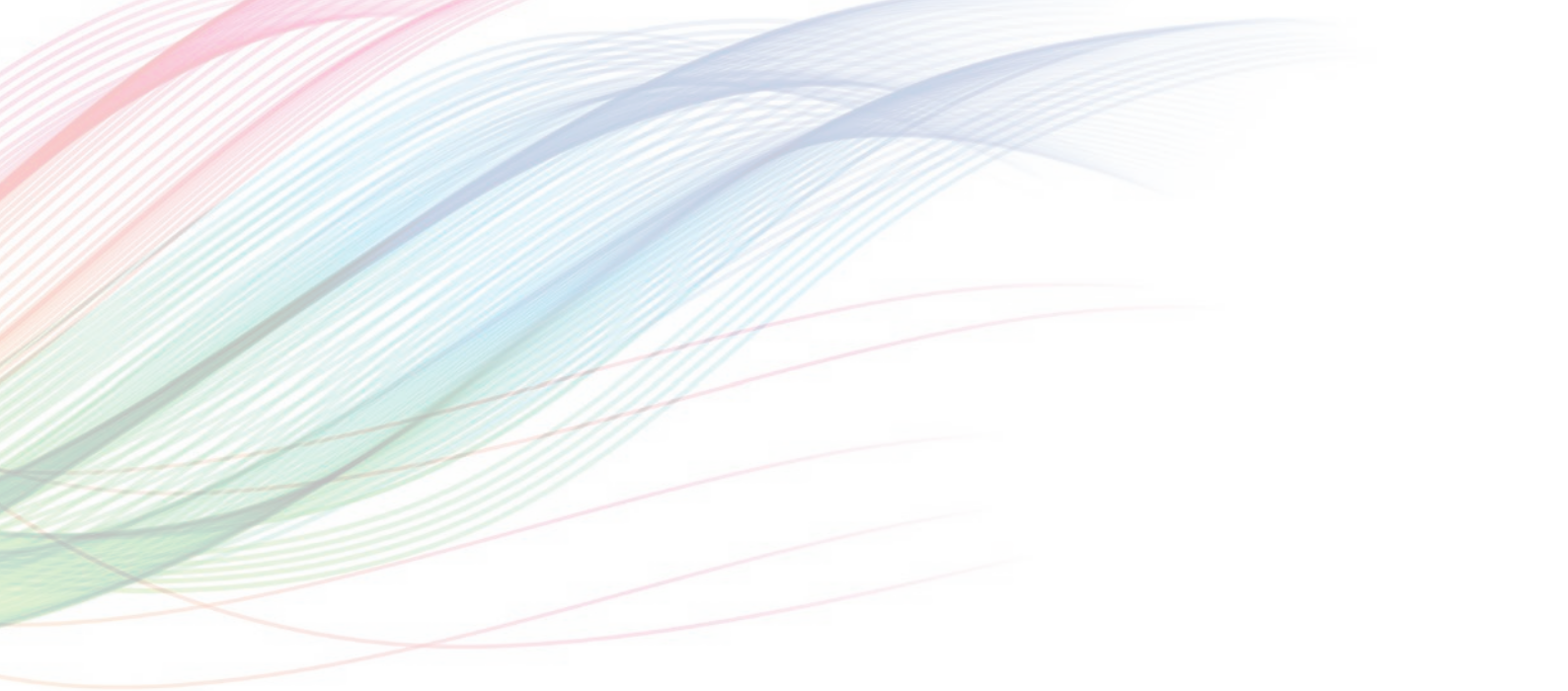
Soft handle and performance



- Long flexible silicone chains provide a soft handle and performance
- Hydrophilic groups are responsible for moisture management
- Strong anchor groups provide permanence in the application

Stability in alkaline liquors





Storage

Keep from freeze and temperatures above 40 °C. With appropriate storage in closed original containers the shelf life of this product is at least 6 months.

Further information about the safe use of the product can be found on our Safety Data Sheet!

The recommendations and information about our products given here in words and writing are based on extensive research work and represent our current experience in the textile finishing business. They are non-binding – including with regard to the intellectual property rights of third parties and foreign laws – and do not exempt users from testing the product and process themselves for suitability for their purposes. In particular we do not accept any liability for any purposes not expressly mentioned by us in writing. We reserve the right to make technical changes in the course of new product development. In the event of damage please refer to our General Terms and Conditions of Sales and Delivery, Item 7.