



MIRACHEM INDUSTRIES

B-310, Virwani Industrial Estate
Off Western Express Highway
Goregaon (East), Mumbai - 400 063, India
Tel.: +91 22 42417575 / 29271378
Fax: +91 22 42417550

www.mirachemindustries.com
Email:
admin@mirachemindustries.com
mirachem@bom5.vsnl.net.in
mirachemindustries@gmail.com

TOBLER – CSI 100

Tobler – CSI 100 is a concentrated cationic softener specifically formulated for all types of fibres, namely, cellulosic, synthetic, wool and their blends

- Suitable for all kinds of fibres
- Can be applied by padding as well as exhaust method
- Improves the lubricancy of the fibres and facilitates further processing of goods
- For finishing wooly, nylon thread after dyeing it provides excellent smoothness without deteriorating hand and greatly improves knitting property and luster.
- Imparts a very soft, smooth handle to the goods
- Does not affect the light fastness of dyeings

Properties:

Appearance	: Light brown cubes
Chemical Nature	: Fatty acid condensate
Ionic Nature	: Cationic
Solubility	: Dispersible
pH (2% solution)	: 5.0 – 6.0
Stability	: Resist to Hard Water
Compatibility	: Compatible with all products used in finishing (except anionics)
Suitability for white goods:	Good
Storage stability	: Stable for 6 months if stored in a cool & dry place
<u>Influence on dyed goods</u>	
Shade	: Slight shift of shade possible
Fastness properties	: Virtually no influence

Dilution:

Tobler – CSI 100 is to be diluted to 20% concentration as follows :

- Take 20 parts of **Tobler – CSI 100** in a vessel
- Melt it to heating at 90°C
- Continue heating under stirring
- Heat 80 parts of water in a separate vessel at 90°C
- Transfer molten mass to boiling water under stirring
- Continue stirring for 10 minutes, under heating
- Cool down under stirring
- Final product will be 20% concentration

P. T. O. →



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Method of Application:

Dissolving / Diluting method of 20% paste :

Dissolve **Tobler – CSI 100** 2.5 times its weight in cold water and mix thoroughly and filter, before use.

Tobler – CSI 100 can be applied by both exhaust and padding procedure in all treatment steps (rope, cross bobbin, piece goods)

Exhaust Method :

Tobler – CSI 100	→	1.0 – 4.0 %
pH	→	5.5 – 6.5
Duration	→	20 minutes @ 40° C

Padding application:

Tobler – CSI 100	→	20.0 – 40.0 g/l
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General safety instructions:

The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use.

The product should not be swallowed. For further information, please consult existing safety data sheet

Note :

The data contained in this communication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.