



MIRACHEM INDUSTRIES

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TOBLER - CSI

Tobler - CSI is a cationic softening agent for all types of fibres, namely, cellulosic fibres, synthetic fibres, 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 dyeing
- Imparts moderate ozone fade property

Properties:

Appearance	: Off white paste
Chemical Nature	: Fatty acid condensate
Ionic Nature	: Cationic
Solubility	: Dispersible
pH (2% solution)	: 4.5 – 5.5
Stability	: Resist to hard water
Compatibility	: Compatible practically with all products (except anionics) used in finishing
Suitability for white goods:	Suitable

Influence on dyed goods

- Shade : Slight shift of shade possible
- Fastness properties : Virtually no influence
- Storage Stability : Stable for 6 months if stored in a cool & dry place.

Method of Application:

Dissolving / Diluting instructions :

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

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

P. T. O. →



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Exhaust Method :

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

Padding application:

Tobler – CSI	→	10 – 20 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.