



SEVOFIX CCF | FFB | FFK | NOF | OFB

Wet fastness improvers for dyeing and printing on cellulose fibres and their mixtures with direct and reactive dyestuffs



Features and Benefits of Sevofix CCF

- ✓ Colourless to pale yellow liquid with a slightly acidic reaction
- ✓ Density approx. 1.0 g/cm³
- ✓ Can be diluted as required with cold water
- ✓ Good improvement of water and wash fastness
- ✓ Significant linear increase of effect with increasing quantity used
- ✓ Low to negligible influence on colour and fastness to light
- ✓ Compatible with cationic and non-ionic products
- ✓ Not compatible with anionic products
- ✓ Good alkali and acid resistance
- ✓ Does not affect feel
- ✓ Foam-free
- ✓ Formaldehyde-free
- ✓ Free from heavy metals

Composition

Aqueous polymer preparation

Ionogenic characteristics

Cationic



Areas of application

Sevofix CCF is an efficient after-treatment agent for improving water and wash fastnesses when colouring and printing with direct and reactive dyes on cotton and regenerated cellulose fibres.

In comparison to standard cationic after-treatment agents, the influence on colour and fastness to light is negligible. Nevertheless, if there are special requirements for light-fastness, preliminary tests are advisable for safety reasons.

Sevofix CCF is based on formaldehyde-free polymers. It is therefore not possible for formaldehyde to separate from the product during storage and use.

As Sevofix CCF contains no free formaldehyde or cleavable methylol or methylene groups, the product is suitable for formaldehyde-free finishing according to Oeko-Tex Standard 100, product group I-IV.

The product is approved for the production of GOTS certified textile material. It meets the requirements of the Global Organic Textile Standard (GOTS 5.0).

Features and Benefits of Sevofix FFB

- ✓ Pale yellow to light brown, clear liquid with a slightly acidic reaction
- ✓ Density approx. 1.2 g/cm³
- ✓ Can be diluted as required with cold water
- ✓ Clear improvement of wet and wash fastness
- ✓ Not compatible with anionic products
- ✓ Good alkali and acid resistance
- ✓ Does not affect feel
- ✓ Foam-free
- ✓ Formaldehyde-free
- ✓ Free from heavy metals

Composition

Polyammonium compounds

Ionogenic characteristics

Cationic



Areas of application

Sevofix FFB is a highly effective after-treatment agent for improving the wet and wash fastnesses of substantive, reactive dyeings and prints on cotton and cellulose regenerated fibre articles.

As with all cationic post-treatment agents, dye-specific impairment of fastness to light may occur. If there are special requirements for light fastness, preliminary tests are advisable.

Sevofix FFB is based on a formaldehyde-free polymer. It is therefore not possible for formaldehyde to separate from the product during storage and use.

As Sevofix FFB contains no free formaldehyde or cleavable methylene groups, the product is suitable for formaldehyde-free finishing according to Oeko-Tex Standard 100, product group I-IV.

The product is approved for the production of GOTS certified textile material. It meets the requirements of the Global Organic Textile Standard (GOTS 5.0).

Features and Benefits of Sevofix FFK

- ✓ Pale yellow to light brown, clear liquid with a slightly acidic reaction
- ✓ Density approx. 1.2 g/cm³
- ✓ Can be diluted as required with cold water
- ✓ Clear improvement of wet and wash fastness
- ✓ Compatible with cationic and non-ionic products
- ✓ Not compatible with anionic products
- ✓ Good alkali and acid resistance
- ✓ Does not affect feel
- ✓ Foam-free
- ✓ Formaldehyde-free
- ✓ Free from heavy metals

Composition

Polyammonium compounds

Ionogenic characteristics

Cationic



Areas of application

Sevofix FFK is a highly effective after-treatment agent for improving the wet and wash fastnesses of substantive, reactive dyeings and prints on cotton and cellulose regenerated fibre articles.

As with all cationic post-treatment agents, dye-specific impairment of fastness to light may occur. If there are special requirements for light fastness, preliminary tests are advisable.

Sevofix FFK is based on a formaldehyde-free polymer. It is therefore not possible for formaldehyde to separate from the product during storage and use.

As Sevofix FFK contains no free formaldehyde or cleavable methylene groups, the product is suitable for formaldehyde-free finishing according to Oeko-Tex Standard 100, product group I-IV.

The product is approved for the production of GOTS certified textile material. It meets the requirements of the Global Organic Textile Standard (GOTS 5.0).

Features and Benefits of Sevofix NOF

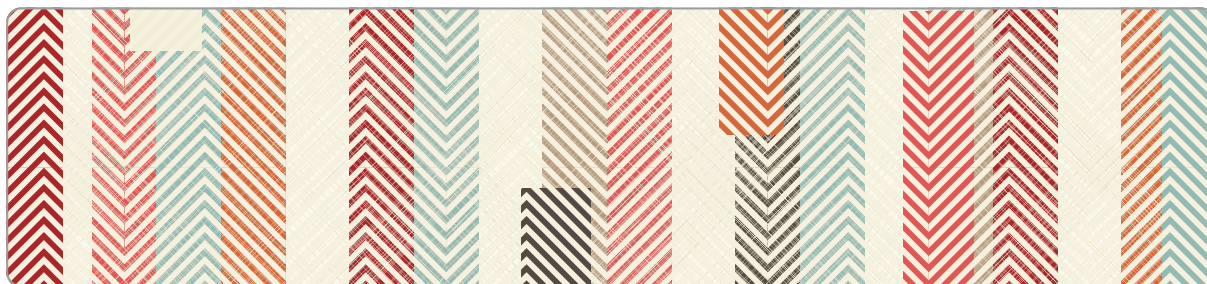
- ✓ Pale yellow to light brown, clear liquid with a slightly acidic reaction
- ✓ Density approx. 1.1 g/cm³
- ✓ Can be diluted as required with cold water
- ✓ Clear improvement of wet and wash fastness
- ✓ Compatible with cationic and non-ionic products
- ✓ Not compatible with anionic products
- ✓ Good alkali and acid resistance
- ✓ Does not affect feel
- ✓ Foam-free
- ✓ Formaldehyde-free
- ✓ Free from heavy metals

Composition

Polyammonium compounds

Ionogenic characteristics

Cationic



Areas of application

Sevofix NOF is a highly effective after-treatment agent for improving the wet and wash fastnesses of substantive, reactive dyeings and prints on cotton and cellulose regenerated fibre articles.

As with all cationic post-treatment agents, dye-specific impairment of fastness to light may occur. If there are special requirements for light fastness, preliminary tests are advisable.

Sevofix NOF is based on a formaldehyde-free polymer. It is therefore not possible for formaldehyde to separate from the product during storage and use.

As Sevofix NOF contains no free formaldehyde or cleavable methylene groups, the product is suitable for formaldehyde-free finishing according to Oeko-Tex Standard 100, product group I-IV.

The product is approved for the production of GOTS certified textile material. It meets the requirements of the Global Organic Textile Standard (GOTS 4.0).

Features and Benefits of Sevofix OFB

- ✓ Clear, colourless liquid with a slightly acidic reaction
- ✓ Density approx. 1g/cm³
- ✓ Can be diluted as required with cold water
- ✓ Resistant in acidic and weakly alkaline liquids
- ✓ Compatible with cationic and non-ionic products
- ✓ Improves the wet fastness of substantive and reactive dyeings on cellulose fibres
- ✓ No hardening of handle
- ✓ No, or only minimal, influence on fastness to light
- ✓ Formaldehyde-free
- ✓ Free from heavy metals

Composition

Polyammonium compounds

Ionogenic characteristics

Cationic

Areas of application

Sevofix OFB is used as an after-treatment agent to improve the wet fastness of substantive and reactive dyeings and prints on cellulose fibre articles.

Application of Sevofix OFB

Instructions for making solutions

Dilute the product with about twice the amount of cold water while stirring gently and then add to the application liquid.

Quantities

1. Exhaust process

light to medium colour	1.0 – 3.0%	Sevofix OFB
dark dyeing	2.0 – 5.0%	Sevofix OFB
	pH	5 – 6
	20 – 40 °C	20 minutes

2. Padding process

light to medium colour	10.0 – 30.0 g/l	Sevofix OFB
dark dyeing	20.0 – 50.0 g/l	Sevofix OFB

Application of Sevofix CCF, FFB, FFK, NOF

Instructions for making solutions

Dilute Sevofix CCF, FFB, FFK und NOF with two to three times the amount of cold water and then add to the application liquid.

The after-treatment following dyeing should always take place in a fresh bath. The colour must be well rinsed and free from any additives.

1. Exhaust process

The quantities used in the exhaust process depending on the depth of colour

	Sevofix CCF	Sevofix FFB	Sevofix FFK	Sevofix NOF
in reactive dyeings	0.5 – 2.0%	0.1 – 0.6%	0.1 – 0.6%	0.2 – 1.0%
in substantive dyeings	1.0 – 4.0%	0.3 – 2.0%	0.3 – 2.0%	0.5 – 3.0%

The well-rinsed colour is treated for 20 – 30 minutes at 30 – 40 °C and at a pH of 5.5 – 6.5.

For light to medium colouring it can be completed without further rinsing.

For dark colours, an additional cold rinse is recommended.

2. Padding process

	Sevofix CCF	Sevofix FFB	Sevofix FFK	Sevofix NOF
in reactive dyeings	5.0 – 15.0 g/l	3.0 – 6.0 g/l	3.0 – 6.0 g/l	5.0 – 10.0 g/l
in substantive dyeings	10.0 – 30.0 g/l	4.0 – 10.0 g/l	4.0 – 10.0 g/l	6.0 – 20.0 g/l

3. Deduct

2.0 – 5.0 g/l TC dispersant NS

at pH 3.0 – 3.5 (adjust with formic acid),

treat for 30 – 40 min. at 85 – 95 °C, rinse well





Storage

Store in a cool place, but protect from frost. Product changes resulting from exposure to freezing temperatures are reversible after thawing. When stored properly, the product is stable for at least 6 months.

Further instructions for safe handling can be found in the safety data sheet!

The written information and recommendations on our products are based on extensive research and on our current practical experience in textile finishing. These are to be considered as non-binding advice – also with respect to third party property rights and foreign laws – and do not exempt users from testing the product and procedures for suitability for their own use. In particular, we assume no liability if used for purposes not expressly stated in writing by us. We reserve the right to make technical changes during product development. In the event of damage, we refer to our General Terms and Conditions of Sale and Delivery, Section 7.



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