



# MIRACHEM INDUSTRIES

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## EMCOFIX - NF

**EMCOFIX - NF** is a non – formaldehyde dye fixing agent for improving the wet fastness properties of dyeing and prints produced with Direct dyes / Reactive dyes on cellulosic fibres and their blends.

- Totally formaldehyde free and hence eco-friendly. (Oko-Label)
- Does not impair the light fastness as compared to conventional products
- No adverse effect on handle

### **Properties:**

Appearance	: Colourless transparent liquid
Chemical Nature	: Nitrogenous Condensation Product
pH (2% solution)	: 7.0 – 8.0
Solubility	: Soluble
Ionic nature	: Cationic
Stability	: Resist to hard water
Storage Stability	: Stable for 6 months if stored in a cool & dry place (Tends to freeze at 5 <sup>o</sup> C, but is fully effective again after thawing)

#### Stability to

- Salts : Good
- Acids : Stable
- Alkalis : Stable

#### Compatibility with

- Nonionic products : Good
- Cationic products : Good

### **Method of Application:**

**EMCOFIX - NF** can be applied by exhaust and continuous methods. The dyed material should be thoroughly rinsed before it is treated so as to prevent precipitation with traces of anionic wetting agents and auxiliaries.

The amount of **EMCOFIX - NF** required depends on type of dye and depth of shade. The best effects are obtained by applying **EMCOFIX - NF** as follows:

<b>EMCOFIX - NF</b>	→	0.5 – 4.0%
Acetic acid	→	1.0 – 1.5 g/l
Treatment time	→	20 – 30 min
Temperature	→	40 – 50° C



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## **Continuous Method:**

- Padding → 10 – 30 g/l (pH adjusted to 5.5 – 6.5 with acetic acid)
- Open-width washing machine → 2 – 5 g/l

**Pls. Note:** For achieving optimum result of dyefix, it is advisable to use **Miracol – WORD** as an washing off agent after dyeing **in place of soaping** agent normally used in the mills.

## **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.