



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

MIRASEK – ETO

Mirasek – ETO is an organic sequestrant with an excellent chelating action on calcium, magnesium, iron and copper for the treatment of hard water and heavy metal ions over a wide range of pH and temperature in preparation, colouration and finishing processes

- Possesses high hydrolytic stability and maintains its sequestering activity across a wide pH range
- Improves brightness of cottons during scouring and bleaching process and in washing-off of coloured fabrics
- Protects the fibres against catalytic damage during peroxide bleaching
- Prevents deposits of silicates on fibres and machineries in bleaching process.
- Reduces harsh feel on fibre.
- Yields trouble free dyeing and perfect shade as desired.
- Eliminates tendency of salt precipitation during print paste preparations
- Forms very little foam
- Is universally applicable, i.e. in continuous and discontinuous processes
- Non-toxic and nonvolatile

Properties

Appearance	: Colourless transparent liquid
Chemical Nature	: Organo phosphates
Ionic Nature	: Anionic
Solubility	: Soluble
pH (2% solution)	: 6.0 – 7.0
Foam formation	: Very low
Storage stability	: Stable for 6 months if stored in a cool & dry place (Not sensitive to frost)

Stability of the solution to

- Hard water : Stable up to 200 ppm
- Salts : Good
- Acids : Good
- Alkalis : Good
- Oxidising agents (H₂O₂) : Good

Compatibility with

- Anionic products : Good
- Nonionic products : Good
- Cationic products : Good



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Method of Application:

- **Water softening**

- The amount of **Mirasek - ETO** to be added depends on hardness of water and the metal impurities in the cotton
- Application amount : 0.2 – 3.0 g/l.
- Addition of **Mirasek - ETO** should be made to the processing liquor at the commencement of the process.

- **Binding metal ions**

- The addition of **Mirasek - ETO** is recommended when hard water is used, but it is also suitable to convert traces of metal ions still present in softened water into a harmless form.

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.