



MIRACHEM INDUSTRIES

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MIRALYZER – AN

Miralyzer – AN is a non-silicate stabilizer for stabilizing alkaline peroxide bleaching baths to regulate the rate of release of oxygen during scouring process to impart optimal whiteness on cellulose materials. This is particularly advantageous when bleaching cellulose in package/cheese machines, jigs or winches by conventional methods.

- No silicate deposits either on the goods or in the machines
- Enables softer feel on the fabric as silicates are absent
- Elasticity of knits virtually remains unchanged
- Is effective in hard and soft water
- Excellent stabilizing effect even at boil
- May be used along with Sodium silicate wherever silicate is found essential, as in the case of heavily seed-contaminated cottons where Silicate-Caustic soda action is advantageous

Properties:

Appearance	: Off white free flowing paste
Chemical Nature	: Blend of Inorganic salts & surfactants
Ionic Nature	: Nonionic
Solubility	: Dispersible
pH (2% solution)	: 6.5 – 7.5
Stability	: Resist to hard water
Stability to Acids / alkalis	: Good, efficient & stable from pH 3.0 to at least 70g/l NaOH
Storage Stability	: Stable for 6 months if stored in cool & dry place.

Compatibility with

- Wetting agents : Very good
- Stabilizers : Very good
- Reducing agents : Very good
- Oxidizing agents (H₂O₂) : Very good
- Foaming behavior : Extremely Low

P.T.O. →



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Method of Application:

1. Bleaching cotton woven fabric on the Jig / JT - 10

Desized and / or scour boiled cotton woven fabric can be bleached on the jig or on JT– 10 with the following recipe

Hydrogen Peroxide (50%) → 4.0 – 6.0 g/l

Miralyzer – AN → 0.4 – 0.6 g/l

Soda ash → 2.0 – 3.0 g/l

Mirableach – PEW L/F → 0.25 – 0.5 g/l

Followed by hot wash / cold wash.

2. Bleaching cotton hosiery on the winch

Hydrogen peroxide (50%) → 2.0 – 3.0 g/l

Miralyzer – AN → 0.2 – 0.3 g/l

Caustic soda solid → 1.0 – 2.0 g/l

Mirableach – PEW L/F → 0.5 – 1.0 g/l

pH → 10.0 – 11.0

Temperature & time → 90 – 95°C for 60 – 90 mins.

Followed by hot and cold rinsing and neutralization by 1 – 2 g/l **Mira Acid NV Liquid**

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.