



# 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

TECHNICAL LITERATURE

## MIRALYZER CIPHA LIQUID

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**Miralyzer – CIPHA LIQUID** is an organic stabilizer for silicate free bleaching of cotton with hydrogen peroxide by continuous or semi-continuous bleaching methods.



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### Salient Features:

- Superior action up to the pH – 12.0 region.
- Replaces sodium silicate completely.
- Ensures more efficient use of hydrogen peroxide for improved economy and productivity.
- Maintains outstanding stabilization of peroxide bleach bath to produce a high degree of whiteness with minimum fibre damage.
- Improves absorbency and handle of the material.
- Yields optimal results in both continuous scour bleach and batch-wise preparation of cotton and cellulosic blends in jet, winch, soft flow and package machines.



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### Properties:

Appearance	: Light brown liquid
Chemical Nature	: Blend of inorganic salts and surfactants
Ionic Nature	: Anionic
Solubility	: Soluble in cold water
pH ( 2% Solution )	: 9.0 – 12.0
<u>Compatibility with</u>	
• Strong Alkali	: Good
• Oxidising Agents	: Good
Storage Stability	: Stable for 6 months

(When stored in a cool & dry place)



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### Method of Application:

#### Batch Process (@ 95° - 100°C):

<b>Miralyzer – CIPHA LIQUID</b>	→	0.4 – 0.6 ml
<b>Mirableach – PEW L/F</b>	→	0.5 – 1.0 gpl
Caustic Soda flakes	→	2.0 – 4.0 ml/lit.
Hydrogen Peroxide (50%)	→	3.0 – 5.0 ml/lit.
<b>Emlube</b> (for rope processing)	→	0.5 – 1.0 gpl
Time	→	60 – 90 minutes

#### Continuous Bleaching:-

Pad – Steam (e.g. – desized, demineralized, scoured fabric)

<b>Miralyzer – CIPHA LIQUID</b>	→	14.0 – 20.0 gpl
<b>Miralon – FBND</b>	→	5.0 – 6.0 gpl
Caustic Soda flakes	→	6.0 – 10.0 gpl
Hydrogen Peroxide (50%)	→	40.0 – 50.0 ml/lit.
Liquor pick – up	→	In 60% out - 140%
Impregnation temperature	→	25 – 30°C
Time	→	15 – 20 min, at 102°C saturated steam.
Speed	→	40 mts/min



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### **General safety instructions:**

General 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.

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### **Contact Information:**

#### **Mirachem Industries**

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Goregaon (East),  
Mumbai – 400 063.

INDIA

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Fax: +91 – 22 – 4241 7550

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