



# MIRACHEM INDUSTRIES

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## MIRATOL – DM

**Miratol – DM** is a specially formulated pretreatment auxiliary designed to remove metallic particles present in cotton fibre. Thus prohibiting catalytic damage to Cotton fibres & destabilization of peroxide – scouring bath.

- Excellent sequesting action and hence eminently suitable for demineralization process.
- Prohibits catalytic damage to cellulosic fibres and / or destabilisation of peroxide bleaching liquors.
- Exhibits sequestering action in alkaline media and therefore helps in stabilizing peroxide during bleaching.
- Replace organic acids like formic acid, acetic acid and also mineral acids used for **fabric neutralisation**.
- Stable to high temperature.

### **Properties**

Appearance	: Colourless liquid
Chemical Nature	: Based on phosphonates
Ionic Nature	: Anionic
Solubility	: Soluble
pH value	: 1.0 – 2.0
Stability	: Stable to acidic, alkaline, reducing & oxidising agents normally used during process.
Storage stability	: Stable for 6 months if stored in a cool & dry place (Not sensitive to frost)

### **Method of Application**

Protonic treatment followed by bleaching

Cotton knit material having high mineral content, treat with:

<b>Miratol – DM</b>	→	1.0 -2.0 ml / litre	} → ( A )
<b>Miralon – FBND</b>	→	0.5 – 1.0 ml /litre	

for 20 minutes @ 60 - 65° C

Then add:

NaOH (flakes)	→	2.0 – 4.0 gpl	→ ( B )
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Run for 5.0 – 10.0 minutes @ 60° C

**P. T. O. →**

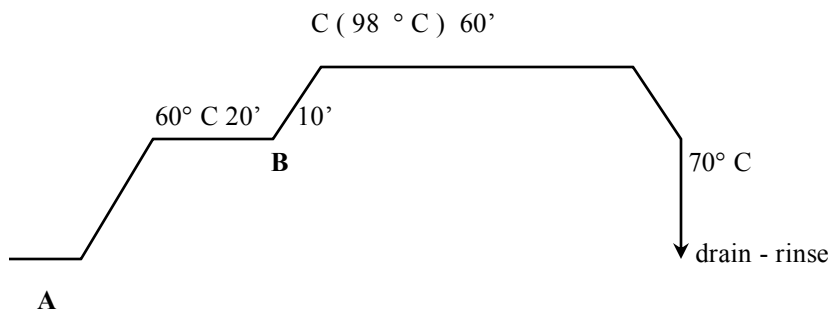


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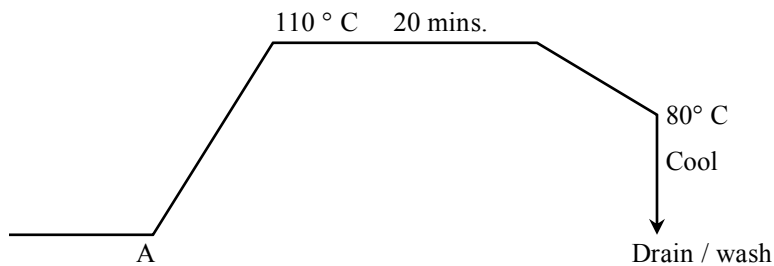
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**Add Miralyzer – CIPHA Liquid** → 0.6 – 1.0 ml / litre  
**H<sub>2</sub>O<sub>2</sub> ( 50 % )** → 4.0 – 6.0 ml / litre } → ( C )



## Desizing of Polyester and Polyester cellulosic blends

**Miradol – DM** → 1.0 - 2.0 ml / lit.  
**Mirableach – PEW L/F** → 1.5 - 3.0 ml / lit. } → ( A )



### **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.