



MIRACHEM INDUSTRIES

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TECHNICAL LITERATURE

EMSCOUR – SA

Emscour – SA is a low foaming detergent, wetting, emulsifying and extractive action for removal of cotton impurities during pretreatment process.

Due to its low foaming nature, this product is most suitable for use in continuous range also.





Salient Features:

- Emscour – SA inactivates catalytic substances hence improves the stabilizing action of peroxide stabilizers
- Emscour – SA improves handle and absorbency
- Emscour – SA is low foaming and suitable for various pretreatment process





Properties:

Appearance	: Colourless Liquid.
Chemical Nature	: Blend of Surfactants
Ionic Nature	: Nonionic.
Solubility	: Dispersible in cold water.
pH (2% solution)	: 4.0 ± 1.0
<u>Compatibility with</u>	:
• Enzyme	: good.
• Electrolytes	: good.
• Oxidising Agents	: good.
• Reducing agents	: good.
Storage Stability	: Stable for 3 months.

(When stored in a cool & dry place)





Recipes

Washing:

Emscour – SA	→	1.0 – 3.0 gpl
Soda ash	→	0.25 – 2.0 gpl

Desizing:

Emcozyme -73	→	3.0 - 5.0 gpl
Emscour – SA	→	2.0 - 5.0 gpl
pH	→	5.5 – 7.0
Impregnation Temp.	→	60 – 70°C
Liquor pick up	→	Approx 100 % for cotton Approx 70% for PES/cotton
Dwell time	→	Approx 4-5 hrs

Boiling off:

NaoH flakes	→	30 -50 gpl
Emscour – SA	→	3 -5 gpl
Impregnation Temp.	→	20 – 80°C
Liquor pick up	→	Approx 100 % for cotton Approx 70% for PES/cotton
Steaming Temp.	→	100°C
Steaming Time.	→	5- 20 min





Oxidative desizing /boiling off

NaoH flakes	→	30 – 50 gpl
Pursulphate	→	2 – 3 gpl
Emscour – SA	→	3 – 5 gpl
Impregnation Temp.	→	20 – 40°C
Liquor pick up	→	Approx 100 % for cotton Approx 70% for PES/cotton
Steaming Temp.	→	100°C
Steaming Time.	→	5- 20 min

Peroxide Bleaching (On CBR)

NaoH Lye (50%)	→	15.0 – 30.0 ml/kg
Emscour – SA	→	3 – 6 ml/kg
Miralyzer Cipha Liquid	→	4 – 9 ml/kg
H ₂ O ₂ (50%)	→	20 – 45 ml/kg
Steaming Temp	→	98°C – 100°C
Steaming Temp	→	10 – 20 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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