



MIRACHEM INDUSTRIES

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TECHNICAL LITERATURE

EMSCOUR

An excellent detergent / wetting agent with emulsifying property for removal of oily, fatty and waxy impurities hence, improving the absorbency of the fabric.

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





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Salient Features:

- Detergent cum wetting agent with an emulsifying property.
- Improves absorbency of the treated fabrics.
- Moderate foaming.
- In higher concentrations, the product has an excellent stain removing action.





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Properties:

Appearance : Colourless Viscous Jelly.

Chemical Nature : Blend of Surfactant

Ionic Nature : Nonionic.

Solubility : Dispersible in cold water.

pH (2% solution) : 6.0 ± 1.0

Compatibility with

• Enzymes : Good.





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- Electrolytes : Good.
 - Oxidising agents : Good.
 - Reducing agents : Good.
- Storage Stability : Stable for 3 months.
(When stored in a cool & dry place)

Method of Application:

Scouring :

Emscour	→	1 – 2 g/l
Soda	→	0.25 – 2 g/l
Impregnate Temp	→	70 – 95 ⁰ C
Reaction time	→	Approx. 1 hr.
Wash off at	→	70 – 95 ⁰ C

Scouring textiles contaminated with oil :





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Emscour → 10 – 15 g/l

Soda Ash → 1 – 2 g/l

Impregnating temperature 70°C

Reaction time Approx. 1 hour.

Wash off at 70 – 95°C

Enzymatic desizing :

Emcozyme – 73 → 3 – 5 g/l

Emscour → 2 – 4 g/l

Impregnating temperature 70°C

Liquor pick – up Approx. 100 % for Co

Liquor pick – up Approx. 70 % for PES/Co

Reaction time 4 – 6 hours.

Wash off at 80 – 95°C

Removal of water soluble sizes :

Emscour → 2 – 4 g/l

Soda Ash → 0.5 – 2 g/l

Impregnating temperature 70°C

Reaction time 30 – 60 mins.





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Wash off at 80 – 95⁰C

Bleaching with hydrogen peroxide :

Hydrogen Peroxide 35 % → 20 – 50 ml/l

NaOH 100 % → 4 – 6 g/l

Miralyzer Cipha Liquid → 5 – 7 g/l

Emscour → 1 – 2 g/l

Impregnating temperature 20⁰C

Liquor pick – up Approx. 100 % for Co

Liquor pick – up Approx. 70 % for PES/Co

Steaming time 5 – 20 mins.

(e.g. combination steamer, U – box)

Cold bleach with hydrogen peroxide :

Hydrogen Peroxide 35 % → 40 – 60 ml/l





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NaOH 100 %	→	10 – 30 g/l
Waterglass 38 ⁰ Be	→	0 – 15 m/l
Miralyzer Cipha Liquid	→	5 – 8 g/l
Emscour	→	2 – 4 g/l
Impregnating temperature		20 – 40 ⁰ C
Liquor pick – up		Approx. 100 % for Co
Liquor pick – up		Approx. 70 % for PES/Co
Reaction time		16 – 24 hours

Hypochlorite bleach :

Active Chlorine	→	6 – 8 ml/l
Emscour	→	1 – 2 g/l
pH 11.5 with Soda / NaOH		
Impregnating temperature		20 ⁰ C
Reaction time		10 – 20 mins.
Wash off cold		





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Chlorite bleach :

Sodium Chlorite	→	20 – 25 g/l
Emscour	→	2 – 4 g/l
Reaction temperature		80 – 95°C
Reaction time		2 – 4 hours (pad – roll)
Wash off cold		

Washing synthetic – fibre woven fabrics :

Emscour	→	0.5 – 1.5 g/l
Soda Ash	→	0.25 – 2 g/l
Temperature		70 – 80°C

“Washing piece goods composed of wool and wool blends.”

Emscour	→	0.3 – 0.5 %
pH		8 – 9
Temperature		30 – 40°C





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Stain removal :

The stains are treated with a 5 – 10 % solution of **Emscour**.

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.

Contact Information:





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