



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

EMLEVEL – RCA

Emlevel – RCA is low foaming detergent with reducing action, which reduces the use of Sodium Hydrosulphite and usual detergent in reduction clearing of disperse dyeings and prints. It is also suitable as washing off agent for Polyester / Cellulosic blends.

- Effective reduction clearing agent partially replacing Sodium Hydrosulphite
- Very good emulsifying and dispersing action on unfixed disperse dyes
- Improved rub fastness of dyeing and prints
- No bad smell and hence non polluted atmosphere during working
- Suitable for Jet / Rapid dyeing machines

Properties

| | |
|------------------------------|--|
| Appearance | : Colourless Liquid |
| Chemical Nature | : Modified Fatty Alcohol E.O. Condensates with Reducing Agents |
| Ionic Nature | : Nonionic |
| Solubility | : Soluble in cold water |
| pH (2% solution) | : 3.0 - 4.0 |
| Stability | : Resist to hard water |
| Stability to Acids / Alkalis | : Stable |

Compatibility with

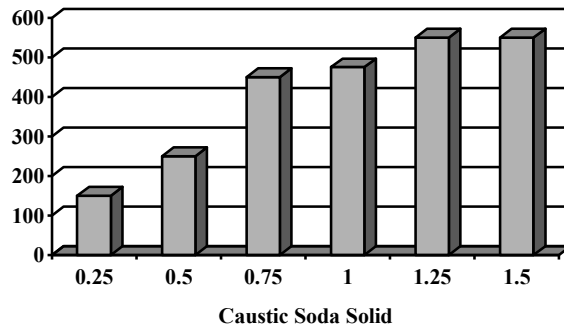
- Aionics / Cationics : Good
- | | |
|-------------------|---|
| Foaming behavior | : Moderate Foaming |
| Storage Stability | : Stable for 3 months if stored in a cool & dry place (Not sensitive to frost) |

Mode of action:

Emlevel – RCA has an excellent dispersing power at various temperatures and its reducing action is developed in alkaline media above 75°C so as to remove unfixed disperse colour on the surface, which is destroyed and finely dispersed in washing liquor thus preventing staining of the ground.



The reducing power of **Emlevel – RCA** can be controlled by the amount of alkali used as can be seen below:



Method of Application:

1. Reduction clearing of disperse dyeing

(In Jet, Winch, Package, Jigger, Beam dyeing. Machines)

Emlevel – RCA → 2.5 – 4.0 g/l

Caustic soda flakes → 1.0 – 2.0 g/l

@ 70 - 80°C for 15 – 30 mins followed by hot wash, cold wash and neutralise.

Pl. Note : In the case of dyeing where exhaustion is almost complete, i.e. no residual dyestuff in the bath is remaining, reduction clearing can be carried out in the same bath using **Emlevel – RCA** and caustic soda flakes.

2. Reduction clearing of disperse prints: (Continuous washing machine)

1st bath

Emlevel – RCA → 0.75 – 1.25 g/l

Caustic soda flakes → 2.0 – 4.0 g/l (Room Temp.)

2nd bath

Emlevel – RCA → 2.0 – 5.0 g/l

3rd bath

Caustic soda flakes (75 - 80°C) → 1.5 – 3.0 g/l

Rinsing Baths → Rinse with decreasing temperatures to room temperature

Final Baths → Neutralise (Cold) with acetic acid.

Reinforce approx 1/3 amount of **Emlevel – RCA** and 1/6 amount of Caustic soda at the interval of every 20 mins.

contd.....



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

In 1st Bath

To enhance reducing action at low temperature, 2.0 – 4.0 g/l of Sodium Hydrosulphite addition is recommended along with **Emlevel – RCA**

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.