



## **EMLEVEL – H**

**Emlevel – H** is a specially designed leveling agent for the application of disperse dyes on polyester. It is effective in controlling the exhaustion rate of disperse dyes for optimum level-dyed shades. It also improves the dispersion stability of the dye bath. It acts as stripping agent when used in higher concentrations. It can also be used for machine cleaning.

- Acts to enhance the migration of disperse dyes during their application on polyester, thereby improving leveling effect
- Promotes re – leveling of dyestuff in faulty dyed polyester
- Does not impede full colour yield
- Works as a stripping agent at higher usage levels.

### **Properties:**

Appearance	: Yellow Brown Liquid
Chemical Nature	: Vegetable oil E. O. condensates
Ionic Nature	: Nonionic
Solubility	: Soluble
pH (2% solution)	: 7.0 – 8.0
Stability	: Resist to hard water
Stability to Acid / Alkalis	: Stable

### **Compatibility with**

- Anionic products : Good
- Cationic products : Good
- Nonionic products : Good

Storage Stability : Stable for 6 months if stored in a cool & dry place  
(Tends to freeze at 5<sup>0</sup> C, but is fully effective again after thawing)

### **Method of Application:**

#### **1. As Leveling agent**

Set the dye bath at 60° C with

<b>Emlevel – H</b>	→	0.5 – 1.0%
<b>Mira Acid PD liquid</b>	→	1 – 2 g/l to desired pH level

Treat the material for 5.0 – 10.0 minutes. Then add dispersed dyestuff to the bath and gradually raise the temperature to peak dyeing temperature (130 - 135°C), maintain at this temperature as required, followed by cooling phase, and draining.



# 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

## 2. As stripping agent

<b>Emlevel – H</b>	→	6.0 – 8.0 g/l
Carrier	→	4.0 – 5.0 g/l
<b>Mira Acid PD liquid</b>	→	1.0 – 2.0 g/l (pH 4.5 – 5.5)

Treat the material at 130 – 135° C for 60 – 90 min.

## 3. Machine cleaning

<b>Emlevel – H</b>	→	2.0 – 4.0 g/l
Caustic soda flakes	→	2.0 – 4.0 g/l
Sodium Hydrosulphite	→	1.0 – 2.0 g/l

Clean at 130° C for 60 minutes

## 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.