



# 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

## TECHNICAL LITERATURE

---

### EMSEK – NRY

High performance **multipurpose** complexing agent and bath conditioner. **Effective** over wide range of pH and temperature.





# 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

---

## EMSEK – NRY

### Salient Features:

**Emsek – NRY** is a most efficient & high performance multipurpose complexing agent and bath conditioner. It complexes & removes crust which occurs due to the hardness of water and mettalic contaminants in the cotton fibre & can be used in various processes.

- Effective sequestering properties
- Effective over wide range of pH and temperature conditions and suitable for all types of fabrics.
- Most useful ingredient in the hard water usage (used in the process) for achieving better whiteness of bleached fabric, uniform dyeing and better brightness with optimum colour yield.
- Deactivator for heavy metal ions apart from  $Ca^{++}$ , and  $Mg^{++}$  and other impurities,
- Prevents catalytic damage by heavy metal ions in the bleach liquor
- Reproducible colour / shade appearance and improved rubbing fastness of dyed / printed goods.
- Ensures **lower TDS discharge** into the effluent treatment plant.





# 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

---

## EMSEK - NRY

### Properties:

Appearance	: Colourless Transparent Liquid
Chemical Nature	: Organo Phosphonate
Solubility	: Soluble in cold water
pH ( 2 % Solution )	: $2.5 \pm 1.0$
Compatibility	: Compatible with all products used in processing & finishing
Storage Stability	: Stable for 6 months when stored in a cool & dry place ( <u>Not sensitive to frost</u> )





# 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

---

## EMSEK – NRY

### Method of Application:

### Recommended Dosage.

**Emsek – NRY** → 0.2 – 2.0 g/l can be used in various stages of Processing

eg. boiling off, dyeing, washing & finishing depending

upon the water quality & process requirement.





# 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

---

## EMSEK – NRY

### 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:

#### **Mirachem Industries**

B – 310, Virwani Industrial Estate,  
Off. Western Express Highway,  
Goregaon (East),  
Mumbai – 400 063.

INDIA

Tel: +91 – 22 – 4241 7575 1378

Fax: +91 – 22 – 4241 7550

E – mail: [mirachem@bom5.vsnl.net.in](mailto:mirachem@bom5.vsnl.net.in)

URL: [www.mirachemindustries.com](http://www.mirachemindustries.com)

