



# MIRACHEM INDUSTRIES

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## TECHNICAL LITERATURE

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### MIRANON - 120

High performance APEO-free alkali stable wetting, rewetting and de-aerating agent with minimal foaming properties designed for batch and continuous pretreatment and dyeing processes.





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## **MIRANON - 120**

### **Salient Features:**

- Eco-friendly as it is free from APEO and readily bio-degradable
- Excellent emulsifying properties for oils and waxes applied in spinning, sizing and weaving
- Compatible with Anionic and Nonionic surfactant.
- Gets readily washed out and this has no effect on subsequent water repellent treatment.
- Low foaming
- Stable to acids in solution up to pH 3.0.
- Highly stable to caustic soda and electrolytes used in pretreatment and dyeing processes
- Excellent rewetting property
- Improves the penetration and levelness of the dyeing

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### **Properties:**

Appearance	: Colourless Liquid
Chemical Nature	: Alkyl polyglycol ether
Ionic Nature	: Nonionic
Solubility	: Dispersible in cold water
pH ( 2 % Solution )	: 6.0 - 7.0
Stability	: Resist to Hard Water
Stability to Acids / Alkalis	: Stable ( up to 40.0 gpl )
Foaming behavior	: Minimal foaming





### Compatibility with

- Wetting agents : Good
- Cleaning agents : Good
- Stabilizers : Good
- Reducing agents : Good
- Oxidizing agents (H<sub>2</sub>O<sub>2</sub>) : Good

Storage Stability : Stable for 6 months

(When stored in a cool & dry place)

### **Method of Application:**

**Miranon - 120** is a specialty preparation auxiliary with excellent wetting, detergency and rewetting characteristics with low foaming in the various pretreatment and dyeing processes.

#### **A. Pretreatment**

##### **1. Batch processing:**

Recommended usage levels in jig, jet, softflow and yarn package machines are:

**Miranon - 120** 2.0 – 5.0 gpl





### **2. Continuous processing:**

For continuous preparation systems eg. Benninger, Brugman, Kusters etc. for open-width wovens, and Dornier, Santex etc. for knits application concentration would vary according to the level of liquor pickup and subsequent steaming condition; recommended dosages:

**Miranon - 120** 4.0 – 8.0 gpl in the pad impregnation liquor..

### **B. Dyeing:**

**Miranon – 120** can also used as a low-foaming wetting agent for continuous and semi-continuous dyeing processes

#### **For Pad Dyeing Process ( Recommended dosage )**

**Miranon - 120** → 2.5 – 5.0 gpl

#### **Dyeing Long Liquors ( Recommended dosage )**

**Miranon - 120** → 1.0 – 2.0 gpl





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## **MIRANON - 120**

### **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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### **Contact Information:**

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