



MIRACHEM INDUSTRIES

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TECHNICAL LITERATURE

MIRASOL – FNK

Low foaming, highly concentrated APEO Free
universal pretreatment product for pretreatment of
Knits / Towels in Soft flow machine.



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MIRASOL – FNK

Salient Features:

- Low foaming and **APEO free**
- Exhibits excellent wetting / rewetting, scouring & emulsifying property
- Stable to acids & alkalis and oxidation
- Pumpable hence, suitable for Automatic metering units
- Performs best in the alkaline to neutral pH range.

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 : Good

Storage Stability : Stable for 6 months

(When stored in a cool & dry place)



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Method of Application:

Mirasol – FNK is a highly concentrated product. Hence, it is advisable to dilute with cold or luke warm (30 - 40° C) water.

Mirasol – FNK is most suitable for various types of preparatory applications in Soft flow machine (for Knits / Towels)

Knits goods Bleaching (Cotton) – Soft Flow Jet Machines

| | |
|---------------------------|------------------|
| Mirasol – FNK | → 0.75 – 1.00 % |
| Hydrogen Peroxide (50%) | → 2.00 – 5.00 % |
| NaOH (flakes) | → 0.75 – 1.25 % |
| Miralyzer – AN | → 0.20 – 0.50 % |
| Emlube | → 1.00 – 2.00 % |
| Liquor ratio | : 1 : 6 – 1 : 10 |
| Temperature | : 90 – 102° C |
| Duration | : 45 – 60 mins. |
| Instawet – NA | → 0.75 – 1.50 % |

Added at the end of bleaching process in order to remove and disperse the impurities such as hard water salts & pectinates, present in cotton.

The fabric should then be treated for 10.0 – 15.0 minutes at 90⁰ – 100⁰ C



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Boiling of Knits goods (Cotton) – Soft Flow Jet Machines

| | |
|----------------------|-------------------|
| Mirasol – FNK | → 0.75 – 1.25 % |
| NaOH (flakes) | → 1.50 – 3.00 % |
| Instawet – NA | → 0.75 – 1.25 % |
| Emlube | → 1.00 – 2.00 % |
| Liquor ratio | : 1 : 6 – 1 : 10 |
| Temperature | : 90 – 100° C |
| Duration | : 15 – 30 minutes |

Washing Polyester – Cotton Knit goods – Soft Flow Jet Machines

| | |
|----------------------|---------------------|
| Mirasol – FNK | → 0.50 – 1.00 % |
| Soda Ash | → 1.00 – 2.00 % |
| Emlube | → 1.00 – 2.00 % |
| Liquor ratio | : 1 : 6 – 1 : 10 |
| Temperature | : 80 – 90° C |
| Duration | : 15.0 – 30.0 mins. |

Washing Polyester –wool Knit goods – Soft Flow Jet Machines

| | |
|----------------------|--------------------------------------|
| Mirasol – FNK | → 0.50 – 1.0 % |
| pH | → 8.0 – 9.0 (Adjust with Soda Ash) |
| Liquor ratio | : 1 : 6 – 1 : 10 |
| Temperature | : 45 – 60° C |
| Duration | : 20.0 – 30.0 mins. |



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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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