



MIRACHEM INDUSTRIES

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MIRACOL – WORD

Miracol – WORD is an effective washing- off agent for reactive dyeing and prints on cellulosic fibres and their blends. **Miracol – WORD** additionally acts as a protective colloid to eliminate problems caused by deposition of insoluble calcium and magnesium salts without any demetallising effect on dyestuffs

- Promotes removal of unfixed hydrolysed dye
- Inactivates water hardness ions to ensure optimum colour fastness, brightness and leveling of reactive and vat dyes
- Powerful dispersant for soil, inorganic matters etc and does not promote renewed uptake of dye hydrolysate that has been washed off. Hence no staining of white grounds in printed fabrics
- Does not de – metallize metal complex dyes
- Does not foam therefore ideally suited for jet/soft flow machines
- Is readily adsorbed by sludge in wastewater treatment plants and hence not toxic or harmful to aquatic organisms

Properties:

Appearance	: Pale Yellow Transparent Liquid
Chemical Nature	: Acrylate co – polymer
Ionic Nature	: Weakly Anionic
Solubility	: Soluble
pH (2% solution)	: 9.0 – 11.0
Stability	: Resist to hard water

Stability to Acids / Alkalis: Stable

Stability to Electrolytes : Good

Compatibility with

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

Storage Stability : Stable for 6 months if stored in a cool & dry place

Method of Application

As a soaping agent

Miracol – WORD can be effectively used for washing off hydrolysed reactive dyes from dyed or printed goods. Application levels depend very much on depth of the shade, dyestuff properties and washing efficiency. However it is possible to achieve the same washing efficiency with **Miracol – WORD** by one wash only as against two washes of normal soaping usually practiced in the mills.



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Recommended dosage : In general 1.5 – 2.0 g/l

In case of higher depths of shades it is advisable to treat twice with 1.0 – 1.5 g/l Miracol – WORD at boil, changing liquor in between rather than 2.0 g/l at a time to get an excellent washing fastness results after normal dye fixation treatment

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.