

® = Registered trademark of
BASF SE

Cyclanon[®] Washoff XC-W New

Universal after soaping agent for the removal of reactive dye hydrolysate or unfixed direct dye from dyeings on cellulosic material.

Nature	Formulation based on dye affinity polymer; non fibre-reactive; slightly anionic
Physical form	Yellow and transparent liquid
Shelf life	Cyclanon® Washoff XC-W New can be kept in the original sealed containers at temperatures between 0 and 60 °C for at least 12 months. Partly used containers should be kept tightly closed and used up as soon as possible.

Properties

Density	1.050 ± 0.1 g/cm ³ (20 °C)
pH (undiluted)	6 - 8 (20 °C)
Conductance	13.6 µS/cm (25 °C)
Viscosity	ca. 20.3cp (Brookfield, spindle 1#,100RPM) ± 1 (20 °C)
Solubility	Cyclanon® Washoff XC-W New is miscible with water in all proportions without becoming viscous. It can be used in automatic metering units.
Stability	Cyclanon® Washoff XC-W New is stable to water-hardening substances, salts, pH variations and heat.
Action	<p>Cyclanon® Washoff XC-W New</p> <ul style="list-style-type: none">- reduces the number of rinsing and soaping steps required- removes the hydrolysate from the material- retains hydrolysate in the liquor and prevents their redeposition on the material- the action is virtually independent of pH- the action is virtually independent of salt concentration- enables the possibility of reducing after-soaping temperatures for temperature sensitive substrate blends- effective with all chromophore and reactive group structures- also effective for fibre blends- exceptional dispersing properties which prevents the formation of dyestuff aggregates and subsequent redeposition during after-soaping

Application

Process for post-clearing reactive dyeings

The general conditions for post-clearing reactive dyeings are determined by the chemical type of reactive dye used in the recipe. For example, it is essential to observe the recommendations of the dye manufacturer concerning the pH of the treatment baths.

The post-clearing effect required depends mainly on the depth of shade, the liquor ratio, the liquor carry over between consecutive steps and the time for each process step. These parameters vary according to machine and sub-strate type and the following processes are given as

Application and process guidelines

examples for two reactive systems.

*Reactive dyes with monochlorotriazine reactive system***Light shades:**

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Rinsing*
Time	10 min	15 min	10 min
Temperature	70 °C	95-98 °C	40 °C
pH		7.5-9.5	
Cyclanon® Washoff XC-W New		1-3 g/l	

Medium shades:

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Rinsing	Rinsing*
Time	10 min	15 min	10 min	10 min
Temperature	70 °C	95-98 °C	70 °C	40 °C
pH		7.5-9.5		
Cyclanon® Washoff XC-W New		1-3 g/l		

Deep shades:

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Soaping	Rinsing	Rinsing*
Time	10 min	15 min	15 min	10 min	10 min
Temperature	70 °C	95-98 °C	95-98 °C	70 °C	40 °C
pH			7.5-9.5		
Cyclanon® Washoff XC-W New			1-3 g/l		

*Reactive dyes with vinylsulfone reactive system***Light shades:**

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Rinsing*
Time	10 min	15 min	10 min

Temperature	50 °C	95-98 °C	40 °C
pH		6 - 8	
Cyclanon® Washoff XC-W New		1-3 g/l	

Medium shades:

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Rinsing	Rinsing*
Time	10 min	15 min	10 min	10 min
Temperature	50 °C	95-98 °C	70 °C	40 °C
pH			6 – 8	
Cyclanon® Washoff XC-W New			1-3 g/l	

Deep shades:

Process Steps	Rinsing <small>(if required, with overflow)</small>	Soaping	Soaping	Rinsing	Rinsing*
Time	10 min	15 min	15 min	10 min	10 min
Temperature	50 °C	95-98 °C	95-98 °C	70 °C	40 °C
pH				6 - 8	
Cyclanon® Washoff XC-W New				1-3 g/l	

* to achieve Ökotex standard it is necessary to ensure that the pH of the final rinsing bath is between pH 5 – pH 7

** the number of soaping baths required will be determined by the machinery/substrate/shade conditions

Preliminary trials are necessary with reactive dyes containing other anchor systems or multi-anchor systems.

Safety

When using this product, the information and advice given in our **Safety Data Sheet** should be observed. Due attention should also be given to the **precautions** necessary for handling chemicals.

Note

The data contained in this publication 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.

