



Better Fastness
Better Stripping
Low Odor

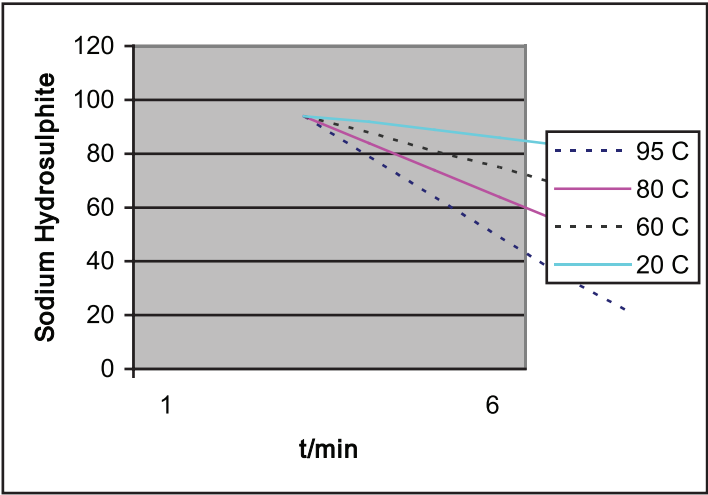
MEGACLEAR 12

CONCENTRATED REDUCTIVE
CLEARING AGENT

www.eksoy.com

spirit to textiles

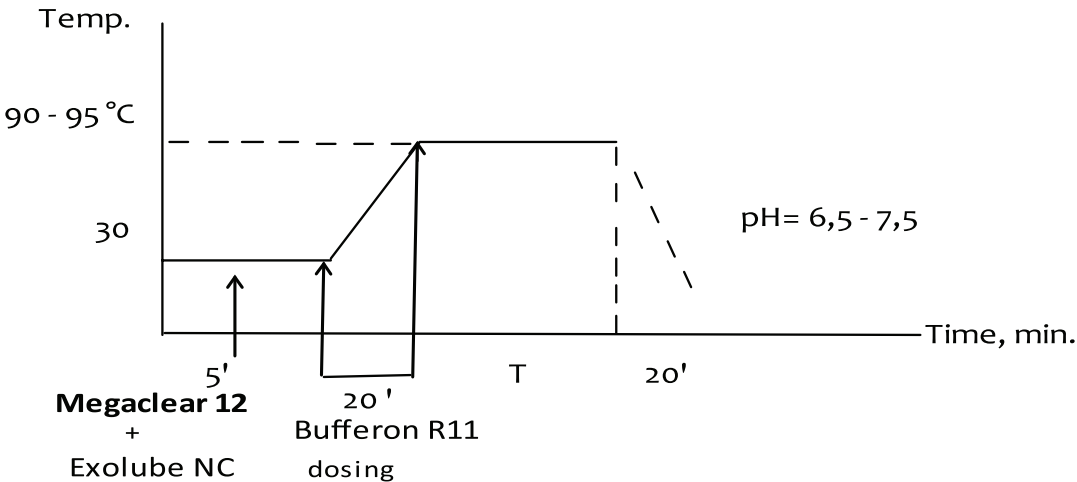
MEGACLEAR 12 is stabilized reductive material with low odor. Since hydrosulphite decomposes rapidly at high pH and temperature (e.g. At 95 °C, 60 percent of hydro is decomposed), above 70 °C application temperature, reduction cleaning effect is not consistent and changes between each batch.



Temperature dependence of the decomposition rate of Sodium Hydrosulphite (pH 12)

MEGACLEAR 12 is recommended for reductive cleaning of dispersed dyed and printed fabrics.

Recommended reductive clearing process is as follows:



Even ¼ of **MEGACLEAR 12** gives better fastness result comparing reductive clearing made by using Hydrosulphite. Comparison of fastness results, in which reductive clearing is made **MEGACLEAR 12** and Hydrosulphite can be seen in the following figure.

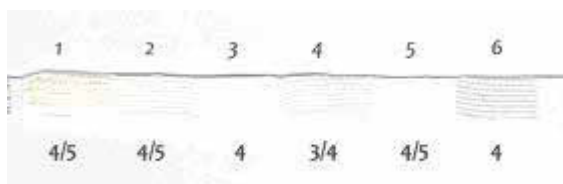
THE COMPARISON OF MEGACLEAR12 & HYDROSULPHIDE IN REDUCTION CLEARING TREATMENT WASH FASTNESS TEST (C4A)

0,5 g/L MEGACLEAR 12

3 % RUBINE S-2GFL



Fabric Before Wash fastness test Fabric After Wash fastness test

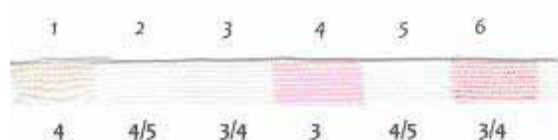


2 g/L Hydrosulphide

3 % RUBINE S-2GFL



Fabric Before Wash fastness test Fabric After Wash fastness test



3 % NAVY S-2G 200 %



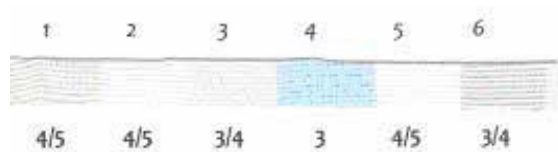
Fabric Before Wash fastness test Fabric After Wash fastness test



3 % NAVY S-2G 200 %



Fabric Before Wash fastness test Fabric After Wash fastness test



S.D.C. MULTIFIBRE TEST FABRIC					
WOOL	ACRYLIC	PES	NYLON	COTTON	ACETATE

MEGACLEAR 12 is also recommended for stripping of faulty reactive dyes. BUFFERON R11 provides more effective stripping than Soda Ash without damaging viscose like caustic soda. pH of solution is around pH;7 and cleaning effect of **MEGACLEAR12** is better as compared to alkaline system. Because **MEGACLEAR 12** is decomposed gradually. Hence ;

- Degradation of Lycra is negligible,
- Viscose fabric is not damaged,
- Weight loss is less,
- Polyester is not degraded,
- Rinsing – neutralizing time is much shorter.

The result is as below:

STRIPPING OF REACTIVE DYEINGS BY MEGACLEAR 12 & BUFFERON R11

Viscose Fabric 1 % Golden Yellow 3RS 150 % 1 % Red 3 BS 150 % 1 % Navy Blue SHF-BR 140 %	4 g/L MEGACLEAR 12 3 g/L BUFFERON R11	Viscose Fabric 3 % Turquoise Blue 266 %	7 g/L MEGACLEAR 12 6 g/L BUFFERON R11
			
	Initial pH : 6,6 Final pH : 5,5		Initial pH : 6,7 Final pH : 6,5
Cotton Fabric 1 % Golden Yellow 3RS 150 % 1 % Red 3 BS 150 % 1 % Navy Blue SHF-BR 140 %	4 g/L MEGACLEAR 12 4 g/L BUFFERON R11	Cotton Fabric 3 % Turquoise Blue 266 %	7 g/L MEGACLEAR 12 6 g/L BUFFERON R11
			
	Initial pH : 6,8 Final pH : 6,1		Initial pH : 6,7

Higher the dyeing temperature and higher the depth of dyeing, more is the displacement of oligomer to the fiber surface. JETCLEAN is a new generation product for the rapid hydrolysis of oligomer in the presence of **MEGACLEAR 12**.



JETCLEAN + MEGACLEAR 12

BLANK