



TECHNICAL INFORMATION

SEGAPREP COMBI LIQ

A new all-in-one bleaching auxiliary for discontinuous alkaline peroxide bleaching of cotton and its blends with other fibers.

- It provides higher production reliability
- It provides very high whiteness when used in low amounts.
- It has very good washing and wetting properties
- Very little foam
- It saves energy and costs
- It is environmentally friendly since it is biodegradable

PROPERTIES

Chemical Structure	Ethoxylated fatty alcohols and organic salt-based
Appearance	Yellowish – brownish liquid
Ionic Character	Nonionic
pH	6.0–8.0
Density	~1.0 g/cm ³
Compatibility	Good with enzymes Good with reductive products Good with oxidizing products(H ₂ O ₂)
Stability of Solution	Hard water good Acids/Alkaline good
Solubility	Easily soluble in water

APPLICATION

Thanks to its properties Segaprep COMBI liq is suitable for all fiber types, machines with foam problems use is convenient. If there is a good combination of wetting, washing, and stabilizing properties in a single product. If desired, it is especially recommended to use it for a reasonable and economical operation.

Exhaust Process

% 1 – 4 Segaprep COMBI liq

For jig, winch, overflow, jet and other rotary painting machines

Continue Process

2 – 6 mL/L Segaprep COMBI liq



Sample recipe for 1 00% cotton knitted fabrics

Bleaching with Hydrogen Peroxide

Peroxide bleached (B.L. 8: 1 – 10: 1 **)

1 – 3 mLI /L Segaprep COMBI liq
2 – 3 mL /L 50% hydrogen peroxide
1.5 – 2.5 mL /L 50% caustic soda

Add the chemicals preferably at 40 ° C, increase temperature 2–4° C per minute up to 98 ° C. Apply at boiling for 45 minutes or at 110 ° C for 15 minutes, cool to 70°C and drain the bath.

Rinse

Rinse with warm water at 80 ° C for 10 – 15 minutes, empty the bath 10 – 20 minutes
Rinse in cold water with 0.5 – 1 mL /L Segacid NE and empty the bubble.

Biodegradation of residual peroxide

0.3 – 0.4 mL /L Segazym SAP
10 – 15 min. at 30 – 55 ° C, pH between 6 and 8, continue dyeing without draining continue dyeing operations.

** At a very short rate 1g/L Supralin CLM liq should be added as a crack preventive

Safe Use and Handling

Good hygienic and industrial practices should be followed and, when employed as recommended, Segaprep COMBI liq. will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

Storage

The storage life in original package at 0–40 ° C is 12 months.

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