



TECHNICAL INFORMATION

SEGAPREP COM-14

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

Thanks to its low foaming properties, the product is primarily both suitable for exhaust and continues process with high liquor turbulent hydrogen peroxide and for bleaching operations

- Provides higher production reliability
- Very good washing and wetting properties
- Saves energy and costs
- It is biodegradable and environmentally friendly product.

PROPERTIES

Chemical Structure	Ethoxylated fatty alcohols and organic salt-based
Appearance	Yellowish-cloudy liquid
Ionic Character	Nonionic
pH	0.0-2.0
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 COM- 14 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.

Continue Operations (Pad-Batch)

2 – 6 mL/L Segaprep COM –14

Exhaust Process

% 1 – 4 Segaprep COM –14

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



Sample of pulp recipe for 100% cotton knitted fabrics

Bleaching with hydrogen peroxide

Bleaching with peroxide (B.L: 8:1 – 10:1**)

1 – 3 mL/L Segaprep COM-14
2 – 3 mL/L %50 hydrogen peroxide
1.5 – 2.5 mL/L % 50 caustic soda

Add chemicals preferably 40°C, heat to 98°C (2°C per minute) for up to 45 minutes or boil for 15 minutes at 110°C, 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 minutes at 30 – 55 °C, pH between 6 and 8, continue dyeing without draining continue dyeing operations.

** At a very short rate

1 mL/L Supralin CLM Liquid 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 COM 14 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.

Paints, pigments, and most of the chemicals are patented by Sozal Ltd or its subsidiaries in various industrial countries. The information and recommendations presented here have been created with great care, but they may not include every possible situation. These information and recommendations are non-binding guidelines and must be adapted to the conditions in force. Moreover, no liability is accepted for the non-written application areas and methods. Information and protective measures that are required to be specified can be obtained from the Safety Data Sheet.