



## TECHNICAL INFORMATION

### SEGAPREP COM-10 LIQ.

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

<b>Chemical Structure</b>	Synergetic combination of surfactant and organic acids
<b>Appearance</b>	Yellowish-cloudy liquid
<b>Ionic Character</b>	Nonionic
<b>pH</b>	0-2
<b>Compatibility</b>	Good with enzymes Good with reductive products Good with oxidizing products(H <sub>2</sub> O <sub>2</sub> )
<b>Stability of solution</b>	Hard water good Acids/Alkaline good
<b>Solubility</b>	Easily soluble in water

## APPLICATION

Thanks to its properties Segaprep COM-10 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.

### Continue Operations (Pad-Batch )

2 – 6 mL /L Segaprep COM-10 liq

### Exhaust Process

% 1 – 4 Segaprep COM-10 liq

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-10 liq
- 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 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 COM-10 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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