

Edition 2003 – 04

# Privilege Products for Textiles

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Rev. V Blich/DY 29

## SGL 70

Rapid Scouring & Dyeing Agent

### Introduction:

SGL 70 is a versatile and powerful Rapid Scouring Agent which finds its use as Levelling and Cleaning Agent as well. It's successful application in one bath scouring dyeing process and high temperature dyeing in jets, pressure dyeing machines & soft flows is an added advantage. .

### Technical Specification

Appearance	Viscous liquid light yellow tinge. (It may turn white due to the extreme climate)
Ionic Nature	Non ionic
Solubility in water	Easily miscible at all temperatures.
pH of 1 % solution in water	6 to 6.5
Solubility in Solvents	Soluble in most of the polar and non-polar solvents
Stability to acids and alkalies	Stable to pH between 3 to 10.5
Foaming	Low foaming
Wetting Action	Most powerful wetting agent
Odour	Pleasant
Shelf Life	Six months if stored under ideal atmospheric conditions.

### Advantages:

SGL 70 dissolves fatty acid impurities of carbon, lubricants and waxes.

SGL 70 minimises the scale effect in the machine due to hard water used for dyeing.

SGL 70 eliminates all types of auxiliaries used in jet dyeing.



SGL 70 imparts special glow and whiteness to the fabrics and softness during Scouring / Dyeing.

SGL 70 is also an effective levelling agent in the dyeing of polyester, & blended fabrics.

SGL 70 is suitable for all varieties of polyester, polyamide fabrics and their texturised and crimped qualities, cotton, viscose, wool, polyinosic and their blends.

**Application:**

1. In jets, SGL 70 helps to dissolve floating waxes as well as other impregnated impurities. For disperse dyeing of pre hand spotted fabrics the following application is suggested;

A. One Bath Scouring & Dyeing of polyester and its blended fabrics:

SGL 70 1 to 1.5 gpl  
Acetic Acid x part to adjust pH for Dyeing  
Disperse Dyes x part

B. One Bath Scouring & Dyeing of 100% polyester fabrics:

SGL 70 1 to 1.5 gpl  
Oxalic Acid 0.5 gpl  
Disperse Dyes x part

Raise the temperature to 100 C or more if and when required to complete the dyeing circle.

C. Scouring of Top Dyed Fabrics in Jets for best results:

SGL 70 1.5 to 2 gpl  
Caustic Soda 0.5 to 1 gpl

Raise temperature to 90°C and complete the scouring cycle.

D. For Acrylics:

For Scouring of Acrylics a treatment of 0.5 gm/l of SGL 70 gives the desired results.  
For levelling a dosage of 0.5 gm/l gives uniform, levelled and brighter dyeings.

2. Scouring in jiggers, Grey cloth:

For (say) 1500 to 1600 meters of Synthetic blended fabrics (shirting / dress material) treat with boiling water containing: .

SGL 70	Soda Ash	Caustic Soda
1.500 to 2	0.500	1.000

For treating white cotton / viscose, add the following in the same bath:

Hydrogen Peroxide	1.000 K9	
Sodium Silicate	1.000 Kgs	As per your requirement.
Emkapol 28	0.500 Kgs	



3. For Exclusive & Prestige fabrics for Export :

Pad the fabric as per given recipe below with SGL 70 and keep it for 8 hours covered with polythene sheet.

A. Padding for white & creamish synthetic fabrics:

SGL 70	4.000 Kgs.
Hydrosulphite of Soda	0.500 Kgs.
Soda Ash	0.500 Kgs.
Caustic Soda	1.000 Kgs.
Water	194.000 Kgs.

B. Padding for Top Dyed Synthetic Fabrics:

SGL 70	3.000 Kgs.
Caustic Soda	2.000 Kgs.
Water	195.000 Kgs.

Padding fabrics in jiggers to be treated with 1 Kgs. of SGL 70. Run the Fabrics for 4 to 6 ends. Wash thoroughly in water, Optical Whitening Agents to be used if required.

4. For One Bath Scouring and Weight Reduction of Polyester:

SGL 70	1 - 1.5 gpl
Hydrosulphite of Soda	0.5 -1.0 gpl
Regzojel	2.5 gpl (as per requirement)

Packing:

50 Kgs. HDPE Carboys /205 Kgs.HDPE Barrels

Note Due to extremities of climate / temperature the appearance of the product May change to milky white without affecting the original properties of the product.

"The information offered in this leaflet is true and accurate to the best of our knowledge but *Without Guarantee*"

