

BIO SCOUR CL

High Performance Biodegradable Enzymatic Scouring Agent

SALIENT FEATURES

- ▶ Biodegradable enzymatic preparation
- ▶ Does not increase COD levels, APEO free.
- ▶ High chelating action on calcium, magnesium & iron
- ▶ Stabilizes Hydrogen peroxide, excellent result in white fabrics
- ▶ High cleaning & scouring actions, In some process caustic not needed
- ▶ Removes cotton wax, pectin & natural pigment
- ▶ Imparts excellent absorbency, excellent results in deep / dark colour dyeing
- ▶ Prevents weight loss of cotton benefits in total fabric weight
- ▶ Shortening of pretreatment process & savings time
- ▶ High savings in water consumption & other bath chemicals
- ▶ Substantial savings in time, electricity, labour etc. & easy to handle

CHARACTERISTICS

Appearance	: White to off – white powder
Chemical Nature	: Synergistic blend of enzymes & surfactants
Ionic Nature	: Anionic / Nonionic
Solubility	: Easy to dissolve in water
pH (1% aq. Sol.)	: 11 – 12
Stability	: Good stability to hard water

APPLICATION

Substrate	: Cellulosic & their blends Machines: Circulatory & non- circulatory machines
Function	: Scouring & Bleaching for white/RFD/RFP
Guide Recipes	: Dilute with water then add

- **Treatment of Cotton Woven Fabric on Jigger M/c:**

(A) For Dark Shade & Black Shade:

BIO SCOUR CL	1.5 – 2.0%
Hydrogen Peroxide (50%)	1.5 – 2.5%
CAMAWET LFW	0.4 – 0.5%

Treat at 85 - 95°C for two hours, followed by wash & neutralization.

(B) For Light – Medium Shade:

BIO SCOUR CL	2.0 – 2.5%
Hydrogen Peroxide (50%)	2.0 – 4.0%
CAMAWET LFW	0.4 – 0.5%
Caustic Flakes	1.0 – 2.5 % (optional) Not require.

Treat at 85 - 95°C for two hours, followed by wash & neutralization.

BIO SCOUR CL

High Performance Biodegradable Enzymatic Scouring Agent

(C) For Full White:

1) Hypochlorite treatment with 2 g/l available chlorine solution along with **0.25%** anionic wetting agent (OT) at room temp. for 2 hours. Followed by rinsing at room temperature.

2) Treatment with

BIO SCOUR CL	2.5 – 3.5%
Hydrogen Peroxide (50%)	3.0 – 5.0%
CAMAWET LFW	0.4 – 0.5%
Caustic Flakes	1.0 – 2.5 % (optional) Not require.

At 85 - 95°C for two hours, followed by wash & neutralization.

3) Treatment with **Optical Brightening Agent**.

- Scouring – Bleaching of Cotton Knit's on soft-flow M/c:

BIO SCOUR CL	1.0 – 2.0 %
CAMAWET LFW	0.4 – 0.5 %
Hydrogen Peroxide (50%)	1.5 – 2.5%
Caustic Flakes	0.75 – 1.5 % (optional) Not require.
Anti-creasing agent	0.50 %

Treat at 90 - 100°C for 45-60-75 min., followed by wash & neutralization.

Treatment with **Peroxide Killer Bio-Enzyme** at 70°C for 20 minutes may be given to remove the traces of residual peroxide. Then drain, wash & neutralize.

- For continuous Scouring & Bleaching on CBR:

BIO SCOUR CL (20% solution)	30 – 40 ml / kg
CAMAWET LFW (wetting)	2 ml / kg (optional)
Hydrogen Peroxide (50%)	35 – 40 ml / kg

Note: For high GSM Cotton fabric, Anti-creasing Agent is recommended.

BIO SCOUR CL

High Performance Biodegradable Enzymatic Scouring Agent

- **Pretreatment of Polyester Fabric:**
For Polyester process chemicals combinations may be use as per fabric quality requirement

Treatment with **1.0 - 1.5% BIO SCOUR CL** and **1.0% Nonionic Detergent / 0.3-0.5% Hydro Sulphite / 1.0-1.5% Soda Ash** at boil for 30-60 min. rinse clear & neutralize. (% on weight of material)

SPECIAL REMARKS

Storage Stability : Minimum 6 months under standard conditions of storage

Container : 25 kg bags

SAFETY & HANDLING: The product is developed for textile processes & should not be used in any other industry. Inhalation of the product – dust should be avoided. In case of contact with the eyes, promptly rinse with plenty of water. Industrial gloves, goggles & other protective equipment's are advised to be used while handling the product. In general, the product does not pose any grave pollution hazard in handling.

Disclaimer: All recommendations for the use of our products, whether given by us in writing, orally or to be implied from the results of trials, are based on our present state of knowledge & experience. Owing to the variation in local application conditions, they cannot be claimed to be complete. Hence, we cannot accept any responsibility thereof. All claims, liabilities – also with a view to claim of third parties – are excluded. It is advised to conduct lab & bulk trials before using in bulk production.
