



PRETREATMENT AUXILIARIES

1. Bleach Booster - Bleach Activator BB serials

various Type of bleach BOOSTERS are available

Bleaching compound for the hydrogen peroxide bleaching of cellulosic fibres; with booster function for low temperatures

- ensures high bleaching effects
- low-foaming
- bleaching accelerator

Field of application: Winch beck, jet, overflow

Chemical Basis: Preparation of non-ionic surfactants and organic salts

Ionic Character: Non-ionic/anionic

Form: Liquid

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES

2. Ascent Stab 1000 - HP- Stabilizers

Bleach stabilizer for the acidic and neutral bleach in a gentle way for silk and wool

- activator and stabilizer for the bleaching of silk and wool with hydrogen peroxide
- controls the pH-value
- Low - Foaming

Field of application: All discontinuous bleaching processes

Chemical Basis: Preparation of organic acids and inorganic salts

Ionic Character: Anionic

Form: Liquid

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002

www.ascentchemicals.com sales@ascentchemicals.com

Contact : +9198658 41234 , +9198659 34234



3. Sequestering agent

Ascent Sequester XL

Introduction:

Ascent Sequester XL is an anionic, low foaming chelating / sequestering agent/ dispersing agent for metal ions and other impurities present in fibers and water. In the dyeing, Ascent Sequester XL eliminates spotting of goods. It promotes soft hand and absorbency by preventing deposition of salts such as calcium, magnesium and iron. It disperses insoluble salts for easy rinsing.

The advantages of Ascent Sequester XL are :

- Prevention of pinhole formation due to catalytic oxidation caused by iron during bleaching (chelates iron / heavy metals)
- During dyeing, it prevents spots, shade change and unevenness by chelating heavy metals and dispersing impurities
- Increased productivity
- Improved rinsing due to scale inhibition (effective at low concentrations, such as in rinse baths)

Properties:

Appearance	Clear liquid
Ionic nature	Anionic
Specific Gravity	1.13 g/ml specific gravity
pH of (1% solution)	7-8

Application:

Application levels of 2-3 g/L of Ascent Sequester XL are recommended to sequester and disperse hardness causing salts and other impurities in the fibers and water.

During fabric preparation, Ascent Sequester XL also provides iron chelating to prevent fabric/yarn damage from catalyzed oxidation, disperses silicate salts, and provides additional stabilizing effect on the hydrogen peroxide.

In disperse and reactive dye baths, Ascent Sequester XL sequesters metals, which can adversely affect the shade, depth, and levelness of the dyeing plus it performs as a dye dispersant.

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



**Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002**
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234, +9198659 34234

4. Peroxide Killer

A) OXY CLEAN 4000-- Chemical based PEROXIDE REMOVAL (PK) (Highly concentrated hydrogen peroxide killer)

Introduction:

Ascent Oxy Clean 4000 is highly effective in chemical based the decomposition of hydrogen peroxide into oxygen and water. In textiles processing, this is often the most preferred mode of hydrogen peroxide removal after the bleaching and the breakdown products are totally inert to Reactive dyestuffs.

Ascent Oxy Clean 4000 accommodates a broad pH and temperature range and remains effective even at high concentrations of hydrogen peroxide.

Advantages:

- Highly effective hydrogen peroxide removal
- Effective over a broad temperature range
- Works well at any residual peroxide level
- Reduces water consumption
- The breakdown products (water and oxygen) have no effect on dyestuffs
- Increase dyeing productivity

Properties:

Appearance	Brown clear liquid
Solubility	Soluble in Water
pH	6 - 7
Specific gravity	1.17

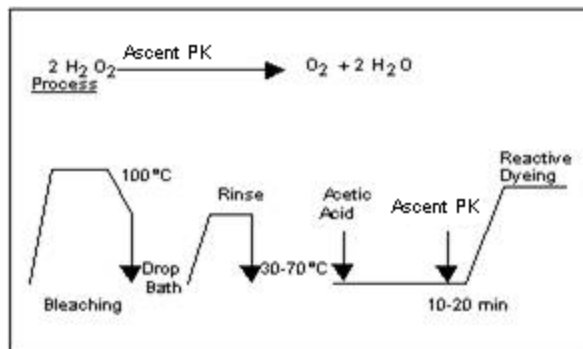
Process Parameter:

Dosage	0.050 - 0.1g/l
pH	3 - 9
Temperature	30° - 70°C
Time	10 - 20 Minutes



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234, +9198659 34234

Removing Hydrogen Peroxide with Ascent PK- Oxy Clean 4000



Ascent Oxy Clean 4000 removes hydrogen peroxide with very simple system with cost effectiveness and reliability

Removal of Hydrogen Peroxide:

Hydrogen peroxide and other peroxy compounds are commonly used for bleaching in preparation of cellulose based fabrics and yarns. If not completely removed, hydrogen peroxide will cause shade change with some fiber Reactive dyes. Even a small amount of residual hydrogen peroxide, particularly left increases and folds of fabric, causes change in cast of dye resulting in uneven dyeing.

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk, Karur, TN – 639002
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234, +9198659 34234

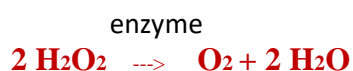


B) FAST KILL – PK **(Catalase Enzyme for Textile Processing)**

Appearance : Dark brown liquid

pH : 5.0 – 5.5

Fast Kill – PK is an enzyme based peroxide killer. It effectively catalyzes the transformation of residual hydrogen peroxide into oxygen and water. The product is specific for hydrogen peroxide and will not interfere with dye stuffs.



Typical processing conditions

pH : 3 – 9

Temperature : 30 – 65^o. C

Time : 10 – 20 minutes

Dosage : 0.5 – 1.0 g/l

Salient features

Fast Kill – PK is ideally suited for use following bleach clean– up. It should be used prior to reactive dyestuffs, which are sensitive to residual peroxide and residual chemical reducing agents. Its performance over a broad pH & temperature range and its efficiency at high concentrations of hydrogen peroxide permit accommodation of a variety of bleach cleanup protocols.

- Reduced dyeing preparation time
- Eliminates residual hydrogen peroxide while reducing water consumption
- Biodegradable
- Enzyme and breakdown products (water & oxygen) have no effect on dyestuffs

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



**Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002**
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234 , +9198659 34234



5.Desize (Enzyme)

A) DESIZE- Enzyme 100%

For enzymatic desizing with optimum efficiency above 80° C, having distinct wetting, cleaning and emulsifying capacity

- distinct wetting and scouring effect
- good emulsifying effect

Field of application: Universally applicable in all desizing processes

Chemical Basis: Preparation of amylase, fatty alcohol ethoxylate and glycol ether

Ionic Character: Non-ionic

Form: Liquid

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES

B) DESIZE - BIO ENZYME 100%

For enzymatic starch decomposition in the temperature range of 20° to 120°C

- very high enzyme activity
- for rapid desizing at 95° - 120°C

Field of application: Universally applicable in all desizing processes

Chemical Basis: Amylase

Ionic Character: No charge

Form: Liquid

PACKING : 50KG CORBOY / 200 KG HDP BARREL / 1000KG TOTES



Factory Address : SF No:126/A, Thumbivadi, Aravakurichi Taluk,
Karur, TN – 639002
www.ascentchemicals.com sales@ascentchemicals.com
Contact : +9198658 41234 , +9198659 34234