TS/31/03  Rev 01  Jan 2009

GENECEL HEBPL CONC LIQUID

High activity acid cellulase for biopolishing

CONSTITUTION  Blend of whole cellulases

APPEARANCE  Dark Brown clear liquid

MISCIBILITY  Miscible in water

COMPATIBILITY  Compatible with nonionic products

HIGHLIGHTS

• Aggressive acid cellulase based enzymes for biopolishing
• Hydrolyses the cellulose on the surface of the fabric
• High cutting giving clean look to the fabric
• Excellent inner softness and smooth handle
• Exhibits good drapability to the fabric
• Specially recommended for biopolishing of hosiery and defibrillation of tencel
• Not recommended for use after dyeing as it gives colour loss
• Operates at a temperature of 55°C and pH range of 4.5 – 5.0

APPLICATION  

Genecel HEBPL CONC Liquid is used for bio-polishing or depilling of cellulosics which improve the fabric quality, often done after heavy processing where pills are raised. Cellulase enzymes weaken the fibres protruding from the surface by degradation, preferably of the amorphous structure of the fibre. The enzyme-weakened fibres are sensitive to shear forces and upon application of sufficient shear the fibre will break from the surface. This results in improved pilling resistance; brighter colours; cleaner surface; improved drapeability and increased softness; reduction in the amount of dead and immature cotton.

Effect of application parameters on activity of Genecel HEBPL CONC Liquid
GUIDELINES

BIO POLISHING

- Add water
- Load the machine
- Raise temperature to 55°C and adjust pH to 4.5-5.0
- Add
  
  Kleenox PSF Liquid 0.5-1.0 gms/lit
  Genecel HEBPL CONC Liquid 0.3-0.8 %
  
- Run the machine for required time i.e. between 45-90 mins
- Drain
- Hot rinse with
  Greenpol A Liquid 1.0 – 2.0 gms/lit at 80°C and pH 8-9
- Rinse
- Drain

STORAGE

Genecel HEBPL CONC Liquid has to be stored in an air-tight, cool & dry place, away from direct heat and sunlight

PACKING

Genecel HEBPL CONC Liquid is available in 20kg (4 x 5 Kg.) packs and 30/50 Kg. (30/50 Kg x 1) packs to suit customers requirements