KOLDENZ CONC LIQUID

An acid cellulase for biopolishing at room temperature

CONSTITUTION
Blend of whole cellulases

APPEARANCE
Brownish clear viscous liquid

MISCIBILITY
Miscible in water

COMPATIBILITY
Compatible with nonionic products

HIGHLIGHTS
- 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
- Operates at room temperature and pH range of 4.5 – 5.0

APPLICATION
Koldenz 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 drapability and increased softness; reduction in the amount of dead and immature cotton.

Effect of application parameters on activity Koldenz CONC Liquid

The graphs show the variation in activity with temperature and pH. At higher temperatures and lower pH values, the activity is highest. Optimal conditions are around 35°C and pH 4.5-5.0.
GUIDELINES

**BIO POLISHING**

- Add water
- Load the machine
- Start at room temperature after adjusting pH to 4.5-5.0
- Add
  - Kleenox PSF Liquid 0.5-1.0 gms/lit
  - Koldenz CONC Liquid 0.5-1.5 %
- 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

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

PACKING

**Koldenz 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