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
- Operates at a temperature of 55°C and pH range of 4.5 – 5.0

APPLICATION
GENECEL JNI 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 JNI LIQUID

![Temperature and pH graphs showing activity variation]
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 JNI LIQUID 0.4-0.45 %
• 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 JNI LIQUID has to be stored in an air-tight, cool & dry place, away from direct heat and sunlight

PACKING

GENECEL JNI LIQUID is available in 20kg (4 x 5 Kg.) packs and 30/50 Kg. (30/50 Kg x 1) packs to suit customers requirements

The information and data contained herein has been compiled based on information we believe reliable. Users should thoroughly test all applications and independently conclude satisfactory performance before commercialization, as these recommendations are non-binding. Users assume all liabilities for use of the chemicals. We are not liable for any advice which we may have failed to give.

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