A unique easy-to-use cellulase that allows bio-polishing to occur under neutral conditions

CONSTITUTION
Cellulase enzyme preparation

APPEARANCE
Brown liquid

MISCIBILITY
Miscible in water

COMPATIBILITY
Compatible with non ionic products

HIGHLIGHTS
- Hydrolyses the cellulose on the surface of the fabric
- Imparts soft feel to the garment
- Its high crystalline type activity cuts good amount of cotton fuzz giving good luster and clean surface to the fabric
- Improves drapability of the garments
- Operates at 55-60°C temperature and pH 6.5-7.0
- Ecofriendly operation

APPLICATION
BIOFAST FNB 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 of BIOFAST FNB CONC. LIQUID

![Graph showing the effect of temperature and pH on activity](image-url)
GUIDELINES

BIO POLISHING

- Add water
- Load the machine
- Raise temperature to 55°C and adjust pH to 6.5
- Add
  Kleenox PSF Liquid 0.5-1.0 gms/lit
  BIOFAST FNB CONC LIQUID 0.6-1.0 %
- Run the machine for required time i.e. between 45-60 mins
- Drain
- Hot rinse with
  Greenpol A Liquid 1.0 – 2.0 gms/lit at 80°C and pH 8-9
- Rinse
- Drain

STORAGE

BIOFAST FNB CONC LIQUID has to be stored in an air-tight, cool & dry place, away from direct heat and sunlight

PACKING

BIOFAST FNB 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