



# Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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## PRODUCT LITERATURE

### BIOFEEL-PST (CONC)

#### Product Information

Biofeel-PST(Conc) is an acid cellulase enzyme for bio-polishing of cellulose and polyester/cellulosic blends. The product is to be used in garment dyeing machine and jet dyeing machine where suitable mechanical action is provided which enhances the action of Biofeel-PST(Conc). It is also suitable for colour fading for denim garments and bio-polishing of knits, fabrics & terry towels.

To avoid excess strength loss of garments and materials after bio-polishing, it is recommended deactivation of Biofeel-PST (Conc) after the treatment.

#### Key Features & Benefits

##### Key Features

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Versatile

Controlled action

##### Benefits

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Peroxide elimination and bio-polishing can be carried out without draining the bath

Minimum shade change in dyed material and minimum strength loss

#### General Characteristics

Physical appearance : Dark brownish liquid  
Ionic nature : Nonionic  
pH of 1% solution : 6 +/- 1  
Miscibility : Miscible with water.  
Compatibility : Compatible with nonionic products but not compatible with strong cationic or anionic products.  
Stability : Stable to dilute acids & dilute alkalies

#### Application

1. For Biopolishing of cottons and blends in exhaust after pretreatment :

Biofeel-PST (Conc) : 0.5% - 0.8%  
pH : 4.7 - 5.5



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### BIOFEEL-PST (CONC)

Temperature : 50-60 deg.C  
Treatment time : 30-60 min

Dosage should be based on cotton component only.

Note:

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1. Biofeel-PST(Conc) to be added after adjustment of pH & temperature of bath.
2. After the bio-polishing treatment, raise the temperature to 70 deg.C and/or adjust pH to 10 to terminate action of enzyme. The material can then be finished using chemical finishes as usual.
3. Combined bio-polishing and peroxide elimination can be carried out for cotton knits and terry towels prior to reactive dyeing. Bio-polishing is usually recommended before cationic dye-fixation or cationic softening.

### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight.Storage temperature should not exceed 35 deg C.Close lids firmly to avoid contact with air and moisture.

Shelf Life : 8 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]  
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