



Sarex Chemicals

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

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PRODUCT LITERATURE

BIOFEEL-PST

Product Information

Biofeel-PST is an economical & highly active acid cellulase enzyme for bio-polishing of cellulosics and polyester/cellulosic blends. The product is applicable for garment dyeing machine and jet dyeing machine where suitable mechanical action is provided which enhances the action of Biofeel-PST. It is also suitable for colour fading for denim garments and bio-polishing of knits, fabrics & terry towels. Biofeel-PST gives very good performance on scoured or grey fabric after treatment with wetting agent.

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

Key Features & Benefits

Key Features	Benefits
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Cost-effective	Requires lower dosage
Controlled action	Minimum shade change in dyed material and minimum strength loss.
Fabric becomes softer and new look	Removes protruding fibres from surface and prevents from pilling
Saving in water and time	Peroxide elimination and bio-polishing can be carried out without draining the bath

General Characteristics

Physical appearance	: Medium to dark amber, slight viscous liquid
Ionic nature	: Nonionic
pH of 1% solution	: 5 +/- 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



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Application

1. For Bio-polishing of cottons and blends in exhaust after pretreatment:
Biofeel-PST : 0.6%-1%
pH : 4.7-5.5
Temperature : 50-60 deg.C
Treatment time : 45-60 min
Dosage should be based on cotton component only.

Note:

1. First pH of water to be adjusted to 4.7-5.5 and then Biofeel-PST to be added.
2. After bio-polishing treatment, raise the temperature to 80 deg.C for 10 min. or adjust pH to 10 to terminate action of enzyme. The material can then be finished using chemicals finishes as usual.
3. pH of fabric should be neutral and free from residual peroxide
4. 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 or optical brightening agent.
5. Absorbency of fabric/garment should be good.

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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