



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	Benefits
Versatile	Peroxide elimination and bio-polishing can be carried out without draining the bath
Controlled action	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
Temperature	: 50-60 deg.C
Treatment time	: 30-60 min

Dosage should be based on cotton component only.



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Note:

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.

Instructions for Dilution :

1. 9% dilution of Biofeel-PST (Conc) can be prepared.

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 : 12 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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