



PISCEAN CENTURY CHEMICALS PTE LTD

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BIOSOFT T4

BIOSOFT T4 / 12-2007

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BIOSOFT T4 is a combined liquid cellulase enzyme preparation intended to be used as an anti-pilling auxiliary for cellulosic fabrics surface clean-up and as an alternative to the conventional fabrics softeners. It yields permanent soft handle and clean, clear fabric surfaces to all treated cellulosic materials.

BIOSOFT T4 contains chemicals that help retain the initial shade and dyes of the fabrics during the treatment cycles. The product is water-based, totally biodegradable, environmentally-friendly and will not stain fabrics.

BIOSOFT T4 can be used at a wide pH range of 4.5 – 7.50 and a broad temperature range of 30°C - 60°C.

BIOSOFT T4 is ECOTEX 100 compliant. It does not contain any APEOs, NPs and banned amines.

PHYSICAL PROPERTIES:-

Appearance : Brownish liquid
S.G : 1.10 ± 0.05
pH (2g/L) : 5.5 ± 1.0
Odour : Slight
Diluent : Suitably treated water

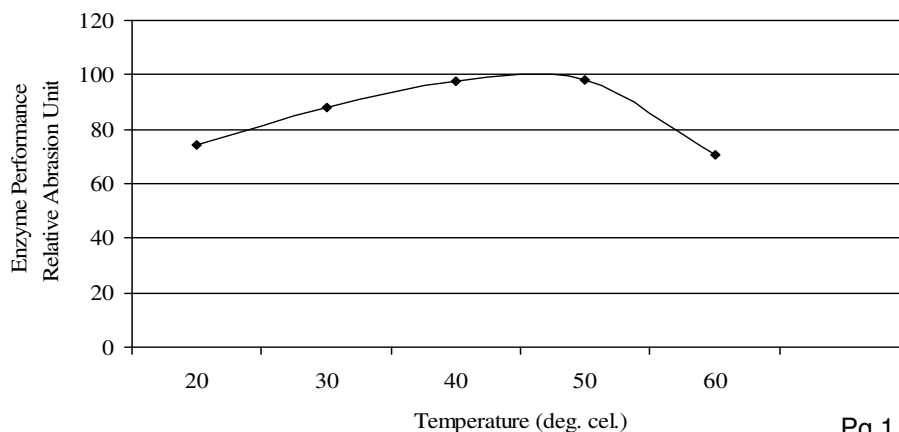
SURFACE FUZZ CLEAN-UP:-

Mechanical friction / agitation will improve the effects of the product drastically. Liquor ratio should maintain in the region of 1:12, or lesser.

Raise temperature of bath between 45°C to 60°C before adding **BIOSOFT T4**.
Run the machine 20 minutes to 45 minutes, sample effects.

Optimum temperature and pH ranges of **BIOSOFT T4** are indicated on Fig.1 and Fig.2.

Fig.1 Relative Abrasion Units of BIOSOFT T4 against variable temperature range at pH 6.0



CERT. NO. : 2001-2-1286
SS ISO 9001: 2000



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Piscean Century Chemicals Pte Ltd does not take liability to the effectiveness of the products since users application conditions may be different.

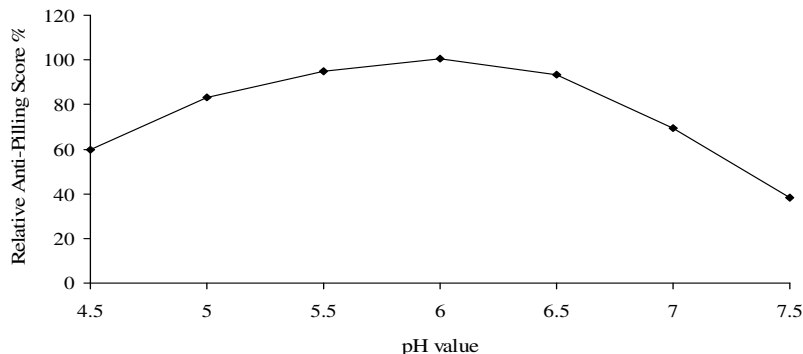


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Fig 2: Relative Anti-Pilling Score of BIOSOFT T4 at 50 deg. cel.



Important: Prior test needed to ascertain duration and dosage in treatment cycle, as all cellulosic materials and application conditions may be different.

Dosage of **BIOSOFT T4:** 0.05% - 0.25%, depending on effects warranted and condition use.

PACKINGS: 30kg plastic Jerry can / 200kg HDPE drum / 1100kg Tote Tank

STORAGE: To store in a cool and dry place. Avoid direct sunlight and heat.

TRANSPORT: Product is water-based, non-flammable and not classified as hazardous for transport.

Separate MSDS is available upon request

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