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TECHNICAL DATA SHEET

TDS-ENZ326-EN · REV. 02 · 2026-11-03

Scouring & Bleaching Enzyme

Scouring and bleaching enzyme for textile and detergent use, activating hydrogen peroxide in one bath.

SKU **ENZ326** CATEGORY **DETERGENT ENZYMES** CATEGORIES **DETERGENT ENZYMES, ENZYMES FOR TEXTILE INDUSTRY**

PRODUCT FORM **VISCOUS LIQUID**

Not restricted for transport

DOSING TEMPERATURE
Room temperature to 50 °C
dose from room temperature to 50 °C

WORKING TEMPERATURE
80–85 °C
hold 40–60 minutes; no optimum stated

FORM
Viscous liquid
dark green to brown; readily soluble in water

LIQUOR RATIO
≥ 1 : 7
cotton knits, terry and loose fiber recipe

SPECIFICATION

IDENTITY	
Appearance	Viscous liquid Typical
Color range	Dark green to brown Typical
Odor	Mild fermented note Typical
PHYSICAL	
Solubility	Readily soluble in water Typical
WORKING WINDOW	
Dosing temperature	Room temperature to 50 °C Typical
Liquor ratio	≥ 1 : 7 Typical

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Store tightly sealed in a cool, dry area at 2–25 °C; avoid direct sunlight

PACK SIZE
1 kg / bag

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Scour and bleach cotton and cotton-blend knitted fabrics.
Removes natural pigments and residual impurities while increasing whiteness.

Pretreat terry and towel fabrics.
Improves wetting and absorbency.

Bleach cotton package yarn (cheese yarn) and hank yarn.
Supports uniform bleaching when a chelating and dispersing agent is used.

Process loose fiber in one bath.
Combines scouring and peroxide bleaching in one bath.

DOSAGE

1.0–1.5 g/L
product per litre of bath, cotton knits, terry and loose fiber recipe

H2O2 (27.5%)	**6–10 g/L**
NaOH (100%)	**1.5–2.0 g/L**
Chelating & dispersing agent	**0–0.5 g/L**
Liquor ratio	**≥ 1 : 7**
Heating rate	**2–3 °C/min to 80–85 °C**
Hold	**80–85 °C for 40–60 minutes**
Rinse	**Hot water ≥ 80 °C**

Add chelating agent or this product first, then NaOH, then H2O2.
The working bath must contain at least 1.5 g/L NaOH.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/scouring-bleaching-enzyme

Enzyme preparations are proteins and may sensitise; avoid skin, eye and inhalation contact. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER