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TECHNICAL DATA SHEET

TDS-ENZ277-EN · REV. 02 · 2026-11-03

Low-Temperature Fabric Washing Auxiliary

Low-temperature enzymatic surfactant complex for fabric washing, usable at 20–50 °C water temperature.

SKU **ENZ277** CATEGORY **DETERGENT ENZYMES** APPEARANCE **MILKY WHITE LIQUID**

SOLUBILITY **FULLY SOLUBLE IN WATER**

Not restricted for transport

SHELF LIFE	WORKING TEMPERATURE	WORKING PH	APPLICATION RATE
12 months	**20–50 °C**	**8.0–10.0**	**200–300 mL per 100 kg**
sealed, see storage below	no optimum stated	no optimum stated	per 100 kg of dry textile load

SPECIFICATION

IDENTITY	
Appearance	Milky white liquid Typical
PHYSICAL	
pH (1% solution)	**8.0 – 10.0** Typical
Solubility	Fully soluble in water Typical
WORKING WINDOW	
Water temperature	20–50 °C Typical
Washing time	15–20 minutes Typical
Water level	Low to medium Typical
COMPOSITION	
Active content	High concentration of enzymatic surfactant complex Typical
Compatibility	Compatible with most detergents, builders, and enzyme systems 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, well-ventilated area between 2 °C and 25 °C; avoid direct sunlight and high temperatures

PACK SIZE
1 kg aluminum foil bag

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

APPLICATIONS

Use in hotel and hospital textile cleaning
Dissolves and emulsifies oily, protein-based and particulate soils

Add during the main wash stage
Maximises cleaning efficiency and soil dispersion

Apply as a pre-treatment or soaking step for heavily soiled fabrics
Supports cleaning of heavily soiled fabrics

Formulate into professional and household detergents
Enhances detergent cleaning performance

Combine with main surfactants, enzymatic blends or softeners
Works alongside other detergent components

DOSAGE

200–300 mL per 100 kg

per 100 kg of dry textile load

Water temperature	**20–50 °C**
pH range	**8.0–10.0**
Washing time	**15–20 minutes**
Water level	**Low to medium**
Addition point	**Main wash stage**

Application rate can be adjusted depending on soil level and washing conditions.

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

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Online: enzymes.bio/product/low-temperature-fabric-washing-auxiliary-enzymatic-surfactant-complex

Avoid prolonged skin contact for individuals with sensitive skin, and rinse skin or eyes thoroughly with plenty of clean water after accidental 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