enzymes.bio

Add enzymes. Add value.

TECHNICAL DATA SHEET

TDS-ENZ074-EN · REV. 02 · 2026-11-03

Cutinase Hydrolase Enzyme For Pulp And Paper Industry

Degrades cutin and fatty deposits to control stickies and improve paper machine runnability.

SKU **ENZ074** CATEGORY **PULP AND PAPER ENZYMES** CAS **9014-01-1** CLASSIFICATION **CHEMICAL AUXILIARY AGENT**

OTHER NAMES **KERATINASE**

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
45-65 °C	**6.0-9.0**	**12 months**	**10-2000 g/T**
no optimum stated	no optimum stated	sealed, see storage below	dry fiber

SPECIFICATION

IDENTITY		
Appearance	Brown liquid	Typical
Odour	Slight fermentation odour	Typical
Solubility	Soluble in water	Typical
PHYSICAL		
Density	1-1.12 g/ml	Typical
WORKING WINDOW		
pH	6.0-9.0	Typical
Temperature	45-65 °C	Typical
Reaction time	45-90 minutes	Typical
PURITY AND HYGIENE		
Purity	99.9%	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
Avoid direct sunlight; store in cool places below 25 °C

PACK SIZE
1 kg / bag

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

APPLICATIONS

Control adhesives formed during pulping of waste paper (OCC, MOW, OMG, ONP).
Shows good control of pulping adhesives.

Control resin barriers formed during pulping of softwood.
Shows good control of resin barriers.

Degrade cutin and fatty deposits in pulp and paper processing.
Controls stickies and improves paper machine runnability.

Scour cotton fibers biologically in textile processing.
Provides biological scouring of cotton fibers.

DOSAGE

10-2000 g/T
per tonne of dry fiber

pH	**6.0-9.0**
Temperature	**45-65 °C**
Reaction time	**45-90 minutes**

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

enzymes.bio · Level 1, 6 Johnsonville Road, Wellington 6037, New Zealand · **Tel (USA) +1 (507) 428-6057** · wholesale@enzymes.bio

Online: enzymes.bio/product/cutinase-hydrolase-enzyme-for-pulp-and-paper-industry

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