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TECHNICAL DATA SHEET

TDS-ENZ222-EN · REV. 02 · 2026-11-03

# Leather Cleaning Enzyme Stain Remover

Enzymatic leather cleaner that removes protein and fat stains without damaging the hide.

SKU **ENZ222** CATEGORY **LEATHER PROCESSING ENZYMES** OTHER NAME **ALKALINE PROTEASE** CAS **9014-01-1**

EINECS **232-752-2**

Not restricted for transport

| FORM | OPTIMUM PH | DOSAGE ON DRY HIDE | SHELF LIFE |
|---|---|---|---|
| **White powder** | **8.0-10.0** | **0.10%- 0.30%** | **12 months** |
| complex enzyme | working range pH 8.0-11.0 | % on Pelt Wt | sealed, see storage below |

## SPECIFICATION

| IDENTITY | | |
|---|---|---|
| Components | Complex enzyme | Typical |
| Other name | alkaline protease | Typical |
| **PHYSICAL** | | |
| Appearance | White Powder | Typical |
| Stability | fine | Typical |
| **WORKING WINDOW** | | |
| pH range | **8.0-11.0** | Typical |
| Optimum pH | **8.0-10.0** | 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
**Keep sealed in a dry and cool place and avoid direct sunlight**

PACK SIZE
**1 kg / bag**

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

## APPLICATIONS

**Soaking of dry, wet salted or fresh hide**
Removes most of the non-structural protein and dirt.

**Flooding process**
Promotes flooding during soaking.

**Leather expansion**
Brings leather back to its natural state of expansion after soaking.

**Stain removal and surface preparation**
Removes protein and fat stains without damaging the hide.

**Soaking control**
Gives efficient, uniform soaking in short time with no loosening of grain.

## DOSAGE

### 0.10%- 0.30% for dry hide

% on Pelt Wt

| | |
|---|---|
| Dry hide | **0.10%- 0.30%** |
| Wet salted hide | **0.05% -0.20%** |
| Fresh hide | **0.05% -0.10%** |
| Addition point | **Soaking process** |

Optimize the application rate for each application, raw material, product expectation and processing parameters. Begin the test with a convenient volume.

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



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Online: enzymes.bio/product/leather-cleaning-enzyme-stain-remover

Enzyme preparations are proteins that may induce sensitization and allergic symptoms; avoid direct skin contact and consult a doctor if irritation develops. 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