# Safety data sheet

Proteinase K, powder

| | |
|---|---|
| Product name<br>Proteinase K (powder) | Catalog no.<br>EZPK100, EZPK500 |
| Synonyms<br>- | Revision date<br>- |
| CAS no.<br>- | Format version / date<br>1.0 / 24 October 2026 |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | Proteinase K, powder |
| Product code | EZPK100, EZPK500 |
| CAS number | - |
| EC number | - |
| Recommended use | For research use only. Not intended for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| Classification | Respiratory sensitization, Category 1 (H334), according to Regulation (EC) No. 1272/2008 (CLP). |
| Label elements | GHS labeling under Regulation (EC) No. 1272/2008 (CLP). |
| Symbols / pictograms |  |
| Signal word | Warning |
| Hazard statements | H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Precautionary statements - Prevention | P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.<br>P284 – Wear respiratory protection. |
| Precautionary statements - Response | If inhaled, remove the person to fresh air. If respiratory symptoms occur, call a physician or poison center. |
| Other hazards | Possible respiratory sensitizer. No PBT/vPvB components at 0.1% or higher. |

# Composition & response

Proteinase K (powder) | SAFETY DATA SHEET / SECTIONS 03-05

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | Proteinase K, powder |
| Synonyms | - |
| Concentration | - |
| Formula | - |
| Molecular weight | - |
| Mixture statement | Proteinase, Tritirachium album (CAS 39450-01-6): 1–5%. Ingredient classification: Skin Irrit. 2 (H315), Eye Irrit. 2 (H319), Resp. Sens. 1 (H334). |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| Eye contact | Immediately flush with water for at least 15 minutes. Seek medical advice if irritation persists. |
| Skin contact | Rinse skin thoroughly with water. |
| Inhalation | Move to fresh air. If respiratory symptoms occur, call a doctor or poison center. |
| Ingestion | Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice if symptoms persist. |
| Self-protection of first aider | Use appropriate personal protective equipment. |
| Most important symptoms / effects | May cause allergic or asthma-like symptoms or breathing difficulty if inhaled. |
| Immediate medical attention / treatment | Treat symptomatically. Seek medical attention for respiratory symptoms. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Use extinguishing measures appropriate to the surrounding fire. |
| Unsuitable extinguishing media | No data available. |
| Special hazards arising from the substance or mixture | No information available. |
| Explosion data | No data available. |
| Advice for firefighters | Wear self-contained breathing apparatus if necessary. Prevent extinguishing runoff from entering waterways. |

# Safe use & protection

Proteinase K (powder) | SAFETY DATA SHEET / SECTIONS 06-08

## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Ensure ventilation. Wear protective equipment; avoid producing or inhaling enzyme dust. |
| Environmental precautions | Prevent product from entering drains. Notify local authorities for substantial releases. |
| Methods and materials for containment and cleaning up | Collect carefully into closed containers, minimizing dust generation. |
| Reference to other sections | See sections 8 and 13. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Work with local exhaust or under a fume hood; avoid inhalation of enzyme dust and skin contact. |
| Conditions for safe storage | Keep container tightly closed. Protect from light; follow label or package insert. |
| Container labeling | Keep containers properly labeled. |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with established occupational exposure limits.

### 8.2 Exposure controls

| | |
|---|---|
| Engineering measures | Provide adequate ventilation, especially in confined spaces. |
| Hygiene measures | Wash hands after working with the substance. Remove contaminated clothing. |
| Eye / face protection | Wear safety glasses with side shields (EN 166). |
| Hand protection | Wear suitable protective gloves. |
| Skin and body protection | Wear a laboratory coat or suitable protective clothing. |
| Respiratory protection | Wear appropriate respiratory protection when ventilation is insufficient. Avoid inhaling enzyme dust. |

# Material properties

Proteinase K (powder) | SAFETY DATA SHEET / SECTIONS 09-10

## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Powder (solid) |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | None. |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | No data available |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | No data available |
| Incompatible materials | No dangerous reaction known under normal conditions of use. |
| Hazardous decomposition products | No data available |

# Health & environment

Proteinase K (powder) | SAFETY DATA SHEET / SECTIONS 11-13

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | No data available |
| Skin corrosion / irritation | Not classified based on available mixture data. |
| Serious eye damage / eye irritation | Not classified based on available mixture data. |
| Carcinogenicity | Not classified based on available information. |
| Reproductive toxicity | Not classified based on available information. |
| STOT - SE | Not classified based on available information. |
| STOT - RE | Not classified based on available information. |
| Aspiration hazard | No aspiration hazard classification; may cause respiratory sensitization if inhaled. |

### 11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May cause respiratory sensitization (H334).
Skin: May be harmful on contact.
Eyes: May cause irritation.

### 11.3 Additional information

Respiratory sensitization is possible; exposure may cause asthma-like symptoms.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | No components identified as PBT or vPvB at concentrations of 0.1% or higher. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Dispose of in accordance with applicable local regulations. Discharge to wastewater only where expressly permitted. |
| Contaminated packaging | Take empty containers to an approved waste handler for recycling or disposal. Do not reuse empty containers. |

# Transport & reference

Proteinase K (powder) | SAFETY DATA SHEET / SECTIONS 14-16

## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Environmental hazards |
|---|---|---|---|---|---|
| ADR / RID | - | Not regulated for transport. | - | - | No transport environmental hazard indicated. |
| IMDG | - | Not regulated for transport. | - | - | No transport environmental hazard indicated. |
| IATA | - | Not regulated for transport. | - | - | No transport environmental hazard indicated. |

| | |
|---|---|
| Special precautions for user | No data available. |
| Transport in bulk (MARPOL / IBC) | Not applicable. |

## 15 REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations / legislation | Safety data sheet format under Regulation (EC) No. 1907/2006 (REACH). |
| Environmental hazards | No data available. |
| Chemical Safety Assessment | A chemical safety assessment has not been carried out. |

## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

| | |
|---|---|
| STOT-SE | Specific Target Organ Toxicity - Single Exposure |
| STOT-RE | Specific Target Organ Toxicity - Repeated Exposure |
| PBT | Persistent Bioaccumulative and Toxic |
| vPvB | very Persistent very Bioaccumulative and toxic |
| ADR | European Agreement concerning the international carriage of Dangerous goods by Road |
| CAS | Chemical Abstracts Service |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime code for Dangerous Goods |
| REACH | Registration, Evaluation, Authorization and restriction of Chemicals |
| RID | Regulations concerning the International transport of Dangerous goods by rail |