

# MATERIAL SAFETY DATA SHEET

## Proteinase K, Lyophilized powder

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

#### 1.1. PRODUCT DETAILS

**Trade Name:** Proteinase K, Lyophilized powder

**Catalog Number:** EZ0013

#### 1.2. COMPANY DETAILS

**Supplier:** Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

#### 1.3. EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** 900-868538 (CHEMTREC España) +(34)-931768545 (CHEMTREC internacional)

### 2. HAZARDS IDENTIFICATION

#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Classification (67/548/CEE) or (1999/45/CE):** Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2. LABEL ELEMENTS

Labelling according Regulation (EC) No 1272/2008.



**H315:** Causes skin irritation.

**H319** Causes serious eye irritation.

**H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### 2.3. PREVENTIVE ADVICE

**P261** Avoid breathing dust.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P342 + P311** If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

#### 2.4. OTHER HAZARDS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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### 3. CHEMICAL CHARACTERIZATION

| Substance    | CAS-no.    | EC-no.    | Index-No.    | Weight %      |
|--------------|------------|-----------|--------------|---------------|
| Proteinase K | 39450-01-6 | 934-013-6 | 647-014-00-9 | >= 1 - < 10 % |

### 4. FIRST AID MEASURES

#### 4.1. DESCRIPTION OF FIRST AID MEASURES

**Inhalation:** After inhalation: fresh air. Call in physician.

**Ingestion:** After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

**Skin contact:** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

**Eye contact:** After eye contact: rinse out with plenty of water. Remove contact lenses.

#### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Non-specific recommendations. In case of doubt, seek medical attention immediately.

### 5. FIRE FIGHTING MEASURES

#### 5.1. EXTINGUISHING MEDIA

**Suitable extinguishing media:**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder.

**Unsuitable extinguishing media:**

For this substance/mixture no limitations of extinguishing agents are given.

#### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Mixture with combustible ingredients. Development of hazardous combustion gases or vapours possible in the event of fire.

#### 5.3. ADVICE FOR FIRE FIGHTERS

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### 5.4. FURTHER INFORMATION

Prevent fire extinguishing water from contaminating surface water or the ground water system.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES



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Advice for non-emergency personnel: Do not breathe vapors, aerosols. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

### 6.4. REFERENCE TO OTHER SECTIONS

For disposal: see section 13

## 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

For precautions see section 2.2.

### 7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

#### Storage conditions

Tightly closed.

Store at 4 °C or -20 °C.

Storage class Storage class (TRGS 510): 12: Non Combustible Liquids

### 7.3. SPECIFIC END USE(S)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

Ingredients with workplace control parameters

### 8.2. EXPOSURE CONTROLS

#### Special protective equipment



**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

**Hand protection:** It is recommended that gloves be made of the following materials: Nitrile rubber.

**Other skin and body protection:** Wear rubber apron. Wear rubber footwear.



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**Respiratory protection:** required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type ABEK The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** liquid.

**Colour:** clear, colorless.

**Odor:** No data available.

**Solubility(ies):** Soluble in water, at 20 °C soluble.

#### 9.2. OTHER INFORMATION

Not determinated.

### 10. STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

No data available

#### 10.2. CHEMICAL STABILITY

The product is chemically stable under standard ambient conditions (room temperature).

#### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under normal use conditions.

#### 10.4. CONDITIONS TO AVOID

No information available

#### 10.5. INCOMPATIBLE MATERIALS

No information available

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS



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**Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

**Ingestion:** No data available

**Skin contact:** Remarks: Causes skin irritation. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2).

**Eye contact:** Remarks: Causes serious eye irritation. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2).

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The components of the product are not classified as hazardous to the environment. Large or frequent spills may have harmful effects on the environment.

#### 12.1. TOXICITY

No data available

#### 12.2. PERSISTENCE AND DEGRADABILITY

No data available

#### 12.3. BIOACCUMULATION POTENTIAL

No data available

#### 12.4. MOBILITY IN THE SOIL

The product is soluble in water.

#### 12.5. PBT AND vPvBm ASSESSMENT RESULTS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6. OTHER ADVERSE EFFECTS

No data available

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. WASTE TREATMENT METHODS

No data available

### 14. TRANSPORT INFORMATION

#### 14.1. UN-NUMBER

No information required.

#### 14.2. UN PROPER SHIPPING NAME

No information required.

#### 14.3. TRANSPORT HAZARD CLASS(ES)

No information required.

#### 14.4. PACKAGING GROUP



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No information required

### 14.5. ENVIRONMENTAL HAZARDS

**Hazardous pollutant substance/marine pollutant:** No.

### 14.6. SPECIAL PRECAUTIONS FOR USER

No information required. Not classified as dangerous in the meaning of transport regulations.

### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II MARPOL73/78 AND THE IBC CODE

No information required.

## 15. REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

**National Provisions:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU Legislation:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

**Guidance:** CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

**Hazard Classification for water:** WGK 2

### 15.2. CHEMICAL SAFETY ASSESSMENT

Any chemical safety assessment has been carried out.

## 16. OTHER INFORMATION

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Canvax Reagents S.L. shall not be held liable for any damage resulting from handling or from contact with the above product. See our website for our terms and conditions of sales.

