



## SAFETY DATA SHEET

Version 3  
 Revision Date 05/14/2025

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Proteinase K	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek	Emergency Phone #:	202-370-1500
	1121 5 <sup>th</sup> Street NW		(For both supplier and Manufacturer)
	Washington, DC 20001		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

##### GHS Classification:

Skin irritation 2  
 Eye irritation 2A  
 Respiratory sensitization 1  
 Specific target organ toxicity single exposure 3

**Signal word**                      Danger

##### Pictograms



##### Hazard statement(s)

**H315** Causes skin irritation.  
**H319** Causes serious eye irritation.  
**H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled  
**H335** May cause respiratory irritation

##### Precautionary statement(s)

**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
**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.

##### HMIS Classification:

Health hazard:                      2  
 Flammability:                      0  
 Physical hazard:                    0

##### NFPA Rating:

Health hazard:                      2  
 Fire:                                    0  
 Reactivity Hazard:                0

##### OSHA Hazards

Highly toxic by inhalation  
 Harmful by ingestion  
 Mutagen.

##### Potential Health Effects:

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin:** May be harmful if absorbed through skin. Causes skin irritation.  
**Eyes:** Causes eye irritation.  
**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** protease K, endopeptidase K

Chemical name	EC No.	CAS -No	Concentration
Proteinase K	254-457-8	39450-01-6	< 300 units

### 4. FIRST AID MEASURES

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

**In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

**In case of eye contact**

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

### 5. FIREFIGHTING MEASURES

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products** May emit toxic and/or irritating fumes under fire conditions.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

**Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/

surface or ground water.

**Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

**Conditions for safe storage**

No special measures necessary. Store at room temperature.

**Incompatible Products**

No known products.

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Personal protective equipment**  
**Respiratory protection**

Use respirators and components tested and approved

under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

#### Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

#### Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	solid
Color	colorless

### Safety data

pH	no data available	Density	no data available
Melting point/freezing point	no data available	Water solubility	no data available
Boiling point	no data available	Partition coefficient:	
Flash point	no data available	n-octanol/water	no data available
Ignition temperature	no data available	Relative vapour Density	no data available
Autoignition Temperature	no data available	Odour	no data available
Lower explosion limit	no data available	Odour Threshold	no data available
Upper explosion limit	no data available	Evaporation rate	no data available
Vapor pressure	no data available		

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available.

### Conditions to avoid

No further relevant data available.

### Materials to avoid

No further relevant data available.

### Hazardous decomposition products

No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity LD/LC50 values

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Skin corrosion/irritation

no data available

### Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

### Reproductive toxicity

no data available

### Teratogenicity

no data available

### Aspiration hazard

no data available

### Synergistic effects

no data available

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSIT INFORMATION

### DOT (US)

Not dangerous goods

### MDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### OSHA Hazards

Target Organ Effect, Respiratory sensitiser, Irritant.

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard.

## 16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

## SDS- Proteinase K

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.