

TREVIGEN®

MATERIAL SAFETY DATA SHEET

CHEMICAL IDENTIFICATION

PRODUCT NAME: Proteinase K

CATALOG NUMBERS: **4800-30-01**; 4810-30-K; 4810-30-R; 4811-30-K; 4812-30-K; 4815-30-K; 4821-96-01; 4822-96-K; 4823-30-K; 4826-30-K; 4827-30-K; 4828-30-K; 4828-30-BK; 4828-30-DK; 4828-30-R; 4829-30-K

COMPOSITION/INFORMATION ON INGREDIENTS:

Serine protease from <i>T. album</i>	CAS#: 39450-01-6	SARA 313: No
Tris-EDTA buffer	CAS#: None	SARA 313: No

HAZARDS IDENTIFICATION

Label Precautionary Statements: Irritant. Sensitizer. May cause Sensitization in certain individuals by inhalation. Irritating to eyes, respiratory system and skin.

Target Organs: Lungs; kidneys.

Emergency Overview:

HMIS RATING: Health: 3	Flammability: 0	Reactivity: 0
NFPA RATING: Health: 3	Flammability: 0	Reactivity: 0

FIRST AID MEASURES

Eye exposure: Causes Eye Irritation. In case of contact, flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Oral exposure: May be harmful if swallowed. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Dermal exposure: Causes skin irritation. In case of contact, immediately wash skin with soap and copious amounts of water. Consult a physician.

Inhalation exposure: May be harmful if inhaled. If inhaled, remove to fresh air. If breathing with difficulty, give oxygen. If not breathing, give artificial respiration. Call a physician.

FIRE FIGHTING MEASURES

FLASH POINT	N/A
AUTOIGNITION TEMP	N/A
FLAMMABILITY	N/A
EXTINGUISHING MEDIA	

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear laboratory coat, safety goggles, rubber boots, and rubber gloves. Wash contaminated clothing thoroughly after handling and before reuse.

METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Contact a licensed professional waste disposal service to dispose of this material. Observe all Federal, State, and Local environmental regulations.

HANDLING

Avoid contact with eyes, skin and clothing. Avoid formation of aerosols. Storage: -20 °C

STABILITY

Stable: stable.

Materials to Avoid: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides; nitrogen oxides.

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ROUTE OF EXPOSURE

Inhalation: May be harmful; material is irritating to mucous membranes and upper respiratory tract.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Eyes: Causes eye irritation.
Ingestion: May be harmful if swallowed.

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

TARGET ORGANS

Lungs; Kidneys.

SIGNS AND SYMPTOMS OF EXPOSURE

Repeated exposure can cause: Asthma; nausea; headache; vomiting.

DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Mix this liquid with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SHIPPING

DOT: Not Hazardous

IATA: Not Hazardous

REGULATORY INFORMATION

Indication of Danger: Harmful
Risk Statements: Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.
Safety statements: Do not breathe vapor. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves.
Target Organs: Lungs; kidneys.
SARA 313: No

CANADA REGULATORY INFORMATION:

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: No

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi
Indication of Danger: Irritant
R: 36/37/38-42
Risk Statements: Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.

OTHER INFORMATION

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product. This MSDS does not represent any guarantee of the properties of the product.

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