

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

- Production Name: Proteinase K
- Catalogue Number: PK0010 / PK0100
- Manufacturer/ Supplier: **VIOGENE BIOTEK CORP.**
Address: 10F, No.276, Da-Tung Rd., Sec.1,
Sijhih Dist., New Taipei City, Taiwan, R.O.C.
Tel: + 886 2 26472259

- Preparation Date: ____ / ____ / ____
- Contact / Preparatory: Simon Chou
- Information Number: + 886 2 2647 2259 ext. 41

[NOTE:]

1. If this product is a kit or is supplied with more than one material, please refer to the MSDS for each component for hazard information.
2. These products are for laboratory research use only and are not intended for human or animal diagnostics, therapeutic, or other clinical uses.

2. COMPOSITION / DATA ON COMPONENTS

- Synonyms
Tritirachium alkaline proteinase

3. HAZARDS IDENTIFICATION

- *Potential health effects:*

- Eyes:** May irritation of the eyes
Skin: May cause skin irritation
Inhalation: May cause sensitization by inhalation

4. FIRST AID MEASURES (CONT.)

- Eyes:** Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.
Skin: Wash off with plenty of water. Remove contaminated clothing.
Inhalation: Supply fresh airs; consult doctor in case of complaints.
Swallowing: Make victim drink plenty of water, but do not induce vomiting, Summon doctor.

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5. FIRE FIGHTING MEASURES

- Suitable extinguishing media: CO₂, Water, foam, powder.
- Special risks: Combustible.

【NOTE:】 Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

- Person-related precautionary measures: Avoid substance contact. Avoid generation of dusts; do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
- Measures for protection of environment: Do not allow to enter sewerage system.
- Procedures for cleaning/absorption: Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

- Storage at room temperature, and keep closed or cover when not in use. Hood inhale substance
- Handling: Work under hood. Do not inhale substance.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- *Personal protection equipment:*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: Required when dusts are generated.

Eye protection: Chemical goggles

Hand protection: Rubber gloves

Industrial hygiene: Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

- Appearance: off-white
- Form: solid
- Odor: almost odourless

<u>Method</u>	<u>Value/Range Unit</u>
Melting Point	N/A
Boiling Point	N/A
Ignition temperature	N/A
Flash Point	N/A
Explosion limits (lower/upper)	N/A
Relative vapour density	N/A
Density	N/A
Bulk density	N/A
Solubility in water	20°C soluble

Danger of explosion: Product does not present an explosion Lard.

10. STABILITY AND REACTIVITY (CONT.)

- *Conditions to be avoided:* Strong heating. (denaturization)
- *Substances to be avoided:* No information available.
- *Hazardous decomposition products:* No information available.
- *Further information:* heat-sensitive (decomposition).

11. TOXICOLOGICAL INFORMATION

- *Acute toxicity:* Quantitative data on the toxicity of this product are not available.

Further toxicological information:

Inhalation: Irritations of the mucous membranes, coughing, and dyspnoea. Risk of sensitization.

Skin: Irritations.

Eyes: Irritations.

- *Further data:* The product should be handled with the care usual when dealing with chemicals.

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12. ECOLOGICAL INFORMATION:

- *Ecotoxic effects:* Quantitative data on the ecological effect of this product are not available.
- *Further ecologic data:* No ecological problems are to be expected when the products is handled and used with due care and attention..

13. DISPOSAL CONSIDERATIONS:

N/A

14. TRANSPROT INFORAMTION:

N/A

15. REGULATORY INFORMATION:

N/A

16. OTHER INFORAMTION:

- **Other Comment:** N/A – Not available or no information.
- **Disclaimer:** This information contained herein is based upon our efforts to acknowledge. However, we do not warrant the accuracy of this information. In no case shall VIOGENE does constitute a warranty for incidental or consequential damages, including lost profits.