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# MATERIAL SAFETY DATA SHEET

## Proteinase K

*In Case of Emergency: Call ChemTrac (24 hr): 800-424-9300, 703-527-3887 Call (330)425-2522*

### 1. Product Identification

NAME: PROTEINASE K

CAS#: 39450-01-6

Catalog #: 42-700, 42-701

### 2. Composition/Information on Ingredients

EC NO: 254-457-8

### 3. Hazards Identification

LABEL PRECAUTIONARY STATEMENTS

MAY BE HARMFUL BY INHALATION.

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

TARGET ORGAN(S):

LUNGS

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

DO NOT BREATHE DUST.

### 4. First Aid Measures

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER

FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND

SHOES. CALL A PHYSICIAN.

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,

CALL A PHYSICIAN.

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER

FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING

THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

### 5. Fire Fighting Measures

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

PREVENT CONTACT WITH SKIN AND EYE

### 6. Accidental Release Measures

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, BOOTS AND HEAVY GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
AVOID RAISING DUST.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

## **7. Handling and Storage**

REFER TO SECTION 8.

## **8. Exposure Controls/Personal Protection**

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
USE ONLY IN A CHEMICAL FUME HOOD.  
HANDLE IN A CLOSED SYSTEM.

## **9. Physical and Chemical Properties**

APPEARANCE  
SOLID.

## **10. Stability and Reactivity**

STABILITY  
STABLE.  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.  
HAZARDOUS POLYMERIZATION  
WILL NOT OCCUR.

## **11. Toxicological Information**

ACUTE EFFECTS  
MAY BE HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH THE SKIN.  
CAUSES IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.  
MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.  
REPEATED EXPOSURE CAN CAUSE:  
ASTHMA  
TARGET ORGAN(S):  
LUNGS  
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY  
INVESTIGATED.

## **12. Ecological Information**

DATA NOT YET AVAILABLE.

## **13. Disposal Considerations**

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

## **14. Transport Information**

Not Regulated

## **15. Regulatory Information**

EUROPEAN INFORMATION  
R: 42/43  
MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.  
R: 36/37/38  
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
S: 36/37/39  
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

Status: Accepted

Reviewed By: Brady Chung

Review Date: 7/23/2009

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