

## Material Safety Data Sheet

Date of Issuance: December 5, 2004

### Section I - Substance Identity and Company Contact Information

Trade Name: Genomic Isolation Tubes

Company Contact:

Gerard Biotech LLC

20 West High Street

Oxford, OH 45056

Telephone:

866-437-2735

Fax:

866-437-2899

Emergency:

CHEMTREC: 800-424-9300 (USA)

### Section II – Chemical Composition and Data on Components

Description: Crystallized proprietary composition.

Dangerous Components:

CAS No	Description
29450-01-6	Proteinase K

### Section III – Hazards Identification

Emergency Overview:

Avoid contact and inhalation

Potential Health Effects:

Eye: Risk of serious eye damage

Skin: Causes skin irritation and allergic skin reaction.

Ingestion: May cause severe gastrointestinal tract irritation and damage

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. May cause allergic reaction in sensitive individuals.

### Section IV – First aid measures

Eyes: Flush eyes with plenty of water for 15 minutes, assure adequate flushing by separating the eyelids with fingers. Get medical attention immediately.

Skin: In case of contact with skin, immediately wash skin with soap and copious amounts of water.

Inhalation: Remove to fresh air, if not breathing give artificial respiration, call physician.

Ingestion: Call physician immediately. Do not induce vomiting without medical advice.

### **Section V – Fire Fighting Measures**

Extinguishment Media:

Suitable: Noncombustible. Use extinguishment media appropriate to surrounding fire conditions.

Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Section VI – Accidental Release Measures**

Precautionary Measures: Wear self contained breathing apparatus, chemical safety goggles, rubber boots, heavy rubber gloves and other proper protective equipment as indicated in section VIII.

Methods for Clean Up: Sweep up or absorb material, then place into suitable clean, dry, closed container for disposal. Ventilate area and wash spill site after material pick up is complete.

### **Section VII – Handling and Storage**

Handling

User exposure: Avoid contact with eyes, skin and clothing. Avoid inhalation. Avoid prolonged or repeated exposure.

Storage

Store at room temperature. Keep container tightly sealed.

### **Section VIII – Exposure Controls and Personal Protection**

Safety shower and eye bath. System of local and/ or general exhaust is recommended.

Chemical safety goggles (tightly sealed), appropriate protective rubber gloves, appropriate clothing to prevent skin exposure. Wash thoroughly after handling; do not get in eyes, on skin or on clothing

### **Section IX – Physical and Chemical Properties**

Form: Crystallized

Color: White

Odor: Odorless

pH factor: Not available

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation rate: Not Available

Viscosity: Not Available

Melting Point: Not Available

Flash Point: Not Available

Explosion Level: Not Available

Solubility in Water: Not Available

**Section X – Stability and Reactivity**

Stability: Stable

Substances to be avoided: strong oxidizing agents.

Hazardous Decomposition Products: Nature of decomposition products not known.

**Section XI – Toxicological Information**

Skin: May causes skin irritation.

Eye: May causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Additional: Additional harmful properties can not be ruled out.

**Section XII – Ecological Information**

No data available

**Section XIII – Disposal Considerations**

Observe all federal, state and local environmental regulations.

**Section XIV – Transport Information**

No information available

**Section XV – Regulatory Information**

No information available

**Section XVI – Other Information**

The information herein is provided in good faith but Gerard Biotech LLC makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of material by a properly trained person using this product. Gerard Biotech LLC shall not be liable for any damage resulting from handling or from contact with the above product. The statements contained here in are based upon technical data that Gerard Biotech LLC believes to be reliable, are offered for informational purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. GERARD BIOTECH LLC MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.