

## Material Safety Data Sheet

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

Trade Name: Final Resuspension Buffer

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: Liquid based proprietary solution.

Dangerous Components:

CAS No Description

77-86-1 Tris (hydroxymethyl) aminomethane

### Section III – Hazards Identification

Potential Health Effects:

Eye: Causes eye irritation

Skin: Causes skin irritation

Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May cause liver and kidney damage. May cause metabolic changes including hypoglycemia, and hyperkalemia. May depress the respiratory center.

Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

The toxicology properties of this substance have not been fully investigated.

### Section IV – First aid measures

Eyes: Flush eyes with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated shoes and clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse. Consult physician in case of complications.

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

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call physician immediately.

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

**Extinguishment Media:** In case of fire, use extinguishment media appropriate to surrounding fire conditions. In case of fire, use water, dry chemical, chemical foam, or alcohol –resistant foam.

**Special Fire Fighting Procedures:** As in any fire, wear self contained breathing apparatus in pressure demand, MSHA/ NIOSH (approved or equivalent) and protective clothing.

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### **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:** Clean up spills immediately, observing precautions and wearing required protective equipment. 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**

Store at room temperature. Keep container tightly sealed. Store in well ventilated area.

### **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: Liquid

Color: Colorless

Odor: Amine-like or odorless

pH factor: Unknown

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: Moderately soluble

**Section X – Stability and Reactivity**

Stability: Stable under ordinary conditions of use and storage. Conditions to be avoided:

Dust generation, exposure to moist air or water. Incompatibility with other materials: strong oxidizing agents, strong acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, irritating toxic fumes and gases.

Hazardous Polymerization: Will not occur.

**Section XI – Toxicological Information**

Skin: May be harmful if absorbed through the 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**

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