

## Material Safety Data Sheet

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

Trade Name: Genomic 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
7647-14-5	Sodium Chloride

### Section III – Hazards Identification

Potential Health Effects:

Eye: Causes eye irritation

Skin: Causes skin irritation

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, 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 clothing. Wash clothing 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**

Explosion Data: Sodium Hydroxide is sensitive to mechanical impact: Contact with aluminum, tin and zinc liberates hydrogen gas. Contact with nitromethane and other similar nitro compounds causes formation of shock sensitive salts.

Extinguishment Media: In case of fire, use extinguishment media appropriate to surrounding fire conditions. Do not use water.

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: Absorb on sand or vermiculite and place in closed containers 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.

### **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: 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: Not Available

**Section X – Stability and Reactivity**

Stability: Stable

Substances to be avoided: strong acids, water, strong oxidizing agents, organic material.

Hazardous Decomposition Products: Oxides of carbon, sulfur and sodium oxide. Sodium/sodium oxides. Danger of toxic pyrolysis products.

Conditions to Avoid: heat, incompatibles.

**Section XI – Toxicological Information**

Skin: May be harmful if absorbed through the skin. May causes skin irritation or burns.

Eye: May causes eye irritation or burns.

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**

DOT Class: 8

Packing group: II

UN Number: 1823

**Section XV – Regulatory Information**

No information available

**Section XVI – Other Information**

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