

## MATERIAL SAFETY DATA SHEET

Telephone: (978)927-5054  
Toll free: (800)632-5227  
Fax: (978)921-1350  
e-mail: info@neb.com

**Buffer  
#B3321**

Msds Revision Date: 11/07

---

### SECTION 1—CHEMICAL INFORMATION

**Product Name:** Luciferase Cell Lysis Buffer

---

### SECTION 2—COMPOSITION/INFORMATION ON INGREDIENT

Cas No.: None

SARA 313: N0

---

### SECTION 3—HAZARDOUS IDENTIFICATION

HMIS Rating	NFPA Rating
Health: 2	Health: 2
Flammability: 0	Flammability: 0
Reactivity: 0	Reactivity: 0

\* For additional information on toxicity, please refer to Section 11.

---

### SECTION 4—FIRST AID MEASURES

**Oral Exposure:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing is difficult, call a physician.

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

**Eye Exposure:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. Call a physician.

---

### SECTION 5—FIRE FIGHTING MEASURES

**Extinguishing Media:** Suitable: 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 eyes.

**Specific Hazard(s):** Emits toxic fumes under fire conditions.

**Flash point:** N/A

**Flammability:** N/A

**Autoignition Temp:** N/A

---

## SECTION 6—ACCIDENTAL RELEASE MEASURES

---

**Methods For Cleaning Up:** Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

---

## SECTION 7—HANDLING AND STORAGE

---

### HANDLING

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

### STORAGE

Suitable: Keep tightly closed. Store at 2-8°C.

---

## SECTION 8—EXPOSURE CONTROLS/PPE

---

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment:**

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand: Protective gloves.

Eye: Chemical safety goggles.

**General Hygiene Measures:** Wash hands thoroughly after handling. Wash contaminated clothing before use.

---

## SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance:</b>	<b>Physical State: Clear Liquid</b>	
<b><u>Property</u></b>	<b><u>Value</u></b>	<b><u>At temperature or Pressure</u></b>
Molecular Weight	N/A	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
SG/Density	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

N/A = not available

---

## SECTION 10–STABILITY AND REACTIVITY

---

**Stability:** Stable Materials to avoid: Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, Carbon dioxide, Sulfur dioxides.

**Hazardous Polymerization:** Will not occur.

---

## SECTION 11-TOXICOLOGICAL INFORMATION

---

**Route of Exposure:**

**Skin Absorption:** May be harmful if absorbed.

**Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

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

**Ingestion:** May be harmful if swallowed.

**Conditions Aggravated By Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

---

## SECTION 12-ECOLOGICAL INFORMATION

---

NO DATA AVAILABLE.

---

## SECTION 13–DISPOSAL CONSIDERATIONS

---

**Appropriate Method of Disposal of Substance or Preparation**

Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

---

## SECTION 14–TRANSPORT INFORMATION

---

**DOT**

Non-Hazardous for Air Transport: non-hazardous for air transport.

**IATA**

Non-Hazardous for Air Transport: non-hazardous for air transport.

---

## SECTION 15–REGULATORY INFORMATION

---

**United States Regulatory Information:**

**Sara Listed:** No

**Canada Regulatory Information** WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**DSL:** NO

**NDSL:** No

---

## SECTION 16–OTHER INFORMATION

---

**DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

**The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.**

**New England Biolabs shall not be held liable for any damage resulting from handling or from contact with the above product.**