

### 1. Identification of the Substance or Mixture/Preparation & of the Company/Undertaking

**Product identifiers:**

**Product Name:** Elution Buffer (EB)

**Part Number:** 100127

**CAS-No's:** 1185-53-1; 7647-01-0

**Recommended use of the chemical and restrictions on use:**

**Recommended use:** Reagent

**Details of the supplier of the safety data sheet:**

**Manufacturer address:**

BioSkryb, Inc.  
info@bioskryb.com  
701 West Main St, Suite 200  
Durham, NC 27701 USA

**Company phone number:**

+1 919-370-0841

**E-mail address:**

info@bioskryb.com

**Emergency telephone number:**

**24 Hour Emergency Phone Number:** 1-800-535-5053

### 2. Hazards Identification

**Classification of the substance or mixture:** Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements:** Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** none

### 3. Composition/Information on Ingredients

**Substance/mixture:** mixture  
**Substance name:** Buffer EB  
**Hazardous ingredients:** No hazardous ingredients

#### 4. First Aid Measures

**Description of first aid measures:**

**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Inhalation:** Move exposed person to fresh air. If not breathing, breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so, by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

#### 5. Firefighting Measures

**Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special hazards arising from the substance or mixture:** None

**Advice for firefighters:** Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Further information:** No data available

#### 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Always wear recommended Personal Protective Equipment. Handle in accordance with good industrial hygiene and safety practice

**Environmental precautions:** No special precautions required.

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material.

#### 7. Handling and Storage

**Precautions for safe handling:** Do not ingest. Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Always wear recommended personal protective equipment. Keep container tightly closed when not in use. Do not reuse container.

**Conditions for safe storage:** No special requirements to be met by storerooms and receptacles. No special requirements to be met for storage in one common storage facility. No further information about storage conditions provided.

**Specific end use(s):** Apart from the uses mentioned in section 1 no other specific uses are stipulated

For research use only. Not for use in diagnostic procedures.

## 8. Exposure Controls/Personal Protection

**Engineering Controls:** No special requirements to be met.

**Exposure controls:** Wear proper personal protective equipment.

**Eye/face protection:** No special requirement to be met.

**Skin and body protection:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for risk of exposure. Wash contaminated clothing before reusing.

**Respiratory protection:** No special equipment required.

**Control of environmental exposure:** Handle in accordance with good industrial hygiene and safety practice

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties:

- a) **Appearance Form:** Clear liquid
- b) **Odor:** No data available
- c) **Odor Threshold:** No data available
- d) **pH:** 8.5
- e) **Melting point/freezing point:** No data available
- f) **Initial boiling point and boiling range:** No data available
- g) **Flash point:** No data available
- h) **Evaporation rate:** No data available
- i) **Flammability (solid, gas):** No data available
- j) **Upper/lower flammability or explosive limits:** No data available
- k) **Vapor pressure:** No data available
- l) **Vapor density:** No data available
- m) **Relative density:** No data available
- n) **Water solubility:** No data available
- o) **Partition coefficient n-octanol/water:** No data available
- p) **Auto-ignition temperature:** No data available
- q) **Decomposition temperature:** No data available
- r) **Viscosity:** No data available
- s) **Explosive properties:** No data available
- t) **Oxidizing properties:** No data available

## 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** No data available

**Hazardous decomposition products:** No decomposition if stored and applied as directed.

**Other decomposition products:** No data available

**Hazardous decomposition products formed under fire conditions:** No data available

**In the event of fire:** See section 5

## 11. Toxicological Information

### Information on toxicological effects:

**Acute toxicity:** No data available

**Dermal:** No data available

**Skin corrosion/irritation:** Not classified based on available information.

**Serious eye damage/eye irritation:** Not classified based on available information.

**Respiratory or skin sensitization:** Not classified based on available information.

**Germ cell mutagenicity:** No data available

### Carcinogenicity:

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice

## 12. Ecological Information

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** No information available

### 13. Disposal Considerations

**Waste treatment methods:**

**Product:** Smaller quantities can be disposed of with household waste.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

Combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused container.

**Disposal of wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. Transport Information

**UNRTDG:** Not regulated as a dangerous good

**IATA-DGR:** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** No data available

**Domestic regulation:**

**49 CFR:** Not regulated as a dangerous good

### 15. Regulatory information

**SARA 302 Components:** This material does not contain any components with a section 302 EHS TPQ.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute health hazard

**US State Regulations**

**California Prop. 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**TSCA list:** No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.

## 16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Users 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.

**BioSkryb, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.**