

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

Product identifiers:

Product Name: Cell Buffer

Part Number: 100002

Recommended use of the chemical and restrictions on use:

Recommended use: Reagent

Details of the supplier of the safety data sheet:

Manufacturer address:

BioSkryb Genomics, Inc.
2810 Meridian Parkway, Ste 110
Durham, NC 27713 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

Chemical characterization: No hazardous ingredients

Components: No hazardous ingredients

4. First Aid Measures

Description of first aid measures:

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as precaution. If eye irritation persists, consult a specialist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labeling (see section 2 and/or in section 11)

Indication of any immediate medical attention and special treatment needed: No data available

5. Firefighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: No information available.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products: Gaseous hydrogen chloride (HCl), sodium oxides

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors, mist, or gas. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

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: Store between the following temperatures: -15 to -25°C (5 to 13°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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:** Liquid
- b) **Odor:** No data available
- c) **Odor threshold:** No data available
- d) **pH:** 7.4-7.5
- 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:** Soluble
- 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: Strong oxidizing agents

Hazardous decomposition products: No data available

Other decomposition products: No data available

Hazardous decomposition products formed under fire conditions: Carbon oxides

In the event of fire: See section 5

11. Toxicological Information

Information on toxicological effects:

Acute toxicity: Product does not present an acute toxicity hazard based on known or supplied information.

Dermal: No data available

Skin corrosion/irritation: No irritant effect.

Serious eye damage/eye irritation: Irritating effect.

Respiratory or skin sensitization: No data available

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

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

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: No Hazards

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