



## Nuclei Loading Buffer (3 mM Magnesium) Safety Data Sheet

Document number: 100-270-727 Issuing Date: 09.21.2023 Revision Date: 09.21.2023

**1. PRODUCT AND COMPANY IDENTIFICATION****Product Identifiers**

**Product Name:** Nuclei Loading Buffer (3mM Magnesium), 30 mL  
**Product Number:** 100-257-006  
**Brand:** S2 Genomics

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses:** Laboratory chemicals

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

**Company:** S2 Genomics, Inc.  
7683 Southfront Rd., Suite 200  
Livermore, CA 94551-9409

**Telephone:** +1 925-292-8243

**Emergency telephone number**

**Emergency Phone #:** +1-703-527-3887 (CHEMTREC)

**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****Substances**

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

**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 a precaution.

**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 labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**5. FIREFIGHTING MEASURES****Extinguishing media Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**Advice for firefighters**

Wear self-contained breathing apparatus for fire fighting if necessary.

**Further information**

No data available

**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**

Do not let product enter drains.

**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**

Normal measures for preventive fire protection. For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended storage temperature:** 2 - 8 °C

**Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Components with workplace control parameters

Contains no substances with known occupational exposure limit values.



### **Exposure controls**

Appropriate engineering controls

General industrial hygiene practice.

### **Personal protective equipment Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## 9. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

### **Appearance**

Odor

Odor Threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Vapor pressure

Vapor density

Relative density

Water solubility

Partition coefficient: n- octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidizing properties

### **Form: liquid**

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

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No data available

### **Other safety information**

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**

Other decomposition products - No data available



In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

### **Information on toxicological effects Acute toxicity**

No data available

Inhalation: No data available Dermal: No data available No data available

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **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.

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

**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 identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

No data available 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

### **Additional Information**

**RTECS:** Not available

## 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 data available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15. REGULATORY INFORMATION****SARA 302 Components****SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313 Components****SARA 313:** 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 SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION****HMIS Rating**

Health hazard: 0

**Chronic Health Hazard:**

Flammability: 0



Physical Hazard 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0