

## **BlinkBlue SDS-PAGE Staining Buffer**

According to the Hazard Communication Standard (CFR29 1910)

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### **SECTION 1: Identification of the substance**

#### **1.1 Product identifier**

Product name: BlinkBlue SDS-PAGE Staining Buffer

Product Number: 700101 and 700102

CAS-No.: 6104-59-2

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

Identified uses: Laboratory chemicals, Manufacture of substances

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

Company: InnoCyto Inc.

Address: 15375 Barranca Pkwy, Suite I-103

Irvine, CA 92618, USA

Email: [Info@innocyto.com](mailto:Info@innocyto.com)

Telephone: +1-949-418-7543

#### **1.4 Emergency telephone number**

Emergency number: +1-949-418-7543 (8:30AM – 6:00PM PST, M-F)

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

##### **GHS-US classification**

Not classified.

#### **2.2 Label elements**

##### **GHS-US labelling**

Signal word: None

Health hazards: None

Physical hazards: None

Hazard statements: None

Hazard pictogram: None

Precautionary statements: None

#### **2.4 Unknown acute toxicity (GHS US)**

No ingredients present at concentrations classified as hazardous to health or the environment

## **SECTION 3: Composition/information on ingredients**

### **3.1 Substance**

Coomassie Brilliant Blue R

### **3.2 Mixture**

**Name, Product, identifier % GHS-US classification**

None by OSHA HazCom 2012 criteria.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

- First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact: Immediately remove contaminated clothes, and wash with soap and copious amounts of water. Get medical attention if irritation persists.
- First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### **4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries after inhalation: May cause respiratory tract irritation.
- Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media: Treat for surrounding material. Unsuitable extinguishing media: None known.

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

Fire hazard: Products of combustion may include and are not limited to oxides of carbon.

### **5.3 Advice for firefighters**

Protection during firefighting: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment, and emergency procedures**

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### **6.2 Methods and material for containment and cleaning up**

For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container.

### **6.3 Reference to other sections**

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Precautions for safe handling: Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink, or smoke.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

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

Storage conditions: 2-8°C. Keep container tightly closed.

### **7.3 Specific end use(s)**

Not available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

No additional information available.

### **8.2 Exposure controls**

- Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
- Hand protection: Wear suitable gloves.
- Eye protection: Safety glasses or goggles are recommended when handling product.
- Skin and body protection: Wear suitable protective clothing.
- Respiratory protection: Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls: Maintain levels below Community environmental protection thresholds.
- Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Blue solution
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	No data available
<b>pH:</b>	< 3
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Relative evaporation rate (butylacetate=1):</b>	No data available
<b>Flammability (solid, gas):</b>	Not flammable
<b>Explosive limits:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Relative density:</b>	No data available
<b>Relative vapour density at 20 °C:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Log Kow:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Heat.

## 10.5 Incompatible materials

None known.

## 10.6 Hazardous decomposition products

May include and are not limited to oxides of carbon.

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

- **Acute toxicity** : Not classified.
- **LD50 oral rat** --
- **LD50 dermal rabbit** --
- **LC50 inhalation rat** --
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (single exposure):** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (repeated exposure):** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.
- **Symptoms/injuries after inhalation:** May cause respiratory tract irritation.
- **Symptoms/injuries after skin contact:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- **Symptoms/injuries after eye contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- **Symptoms/injuries after ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

# SECTION 12: Ecological information

**Toxicity:** Ecology - general: This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No additional information available.

**Effect on the global warming:** No known ecological damage caused by this product

# SECTION 13: Disposal considerations

## 13.1 Waste treatment methods

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## **SECTION 14: Transport information**

### **14.1 Department of Transportation (DOT)**

In accordance with DOT

Not regulated for transport.

### **14.2 Additional information**

Other information: No supplementary information available.

Special transport precautions: Do not handle until all safety precautions have been read and understood.

## **SECTION 15: Regulatory information**

### **15.1 US Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

### **15.2 US State regulations**

State or local regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## **SECTION 16: Other information**

Date of issue 06/15/2025

Other information None.

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