



## SAFETY DATA SHEET

### 1. Product and Company Identification

#### **1.1 Product Identifiers:**

**Product Name:** Phantom Bluing Reagent.

**Catalog Number(s):** 7120, and 7121.

#### **1.2 Relevant Use of the Product and Uses Advised Against:**

**Relevant use of the product:** Biological stain compound for use in histology and cytology.

**Uses advised against:** No information available.

#### **1.3 Details of the Supplier of the Safety Data Sheet:**

**Company:** Scigen Inc.

333 East Gardena Blvd.

Gardena, CA 90248

**1.4 Emergency Telephone Number:** 1.310.324.6576

### 2. Hazard(s) Identification

#### **2.1 Classification of the Substance or Mixture:**

GHS-US classification in accordance with 29 CFR 1910 – Not classified.

#### **2.2 GHS Label Elements, Including Precautionary Statements:**

GHS Label Elements: Exempt from GHS OSHA labeling mandate.

Hazard Pictograms: Exempt from GHS OSHA labeling mandate.

Single Word: Exempt from GHS OSHA labeling mandate.

Hazardous Statements: Exempt from GHS OSHA labeling mandate.

Reagents that are used for diagnosis and treatment of diseases are considered medical devices; which are under the jurisdiction of the FDA and are exempt from the OSHA labeling mandate.

**2.3 Hazards Not Otherwise Classified by GHS:** None.

**2.4 >1% Of Mixture With Unknown Acute Toxicity (GHS US):** Not available.

### 3. Composition/Information on Ingredients

**3.1 Substance:** Not Applicable.

**3.2 Mixture:** Hazardous Components.

Chemical Name:	CAS Number:	Composition by %:
Myristyltrimethyl-Ammonium Bromide	1119-97-7	0.01

### 4. First Aid Measures

#### **4.1 Description of First Aid Measures:**

**General Advise:** Never give anything to an unconscious person. If you feel unwell, seek medical attention. Provide consulting physician with this safety data sheet.

**Eye Contact:** Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If symptoms persist after washing consult a physician.

**Skin Contact:** For minor exposure, prolonged, repeated exposure, remove contaminated clothing, including footwear, wash affected area with mild soap and water for at least 15 minutes. For severe conditions or if a rash occurs consult a physician.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Ingestion:** If swallowed rinse mouth. Do not induce vomiting. Call a Poison Control Center/Doctor/Physician if you feel unwell.

#### **4.2 Most Important Symptoms and Effects, Both Acute and Delayed:**

**General:** None expected under normal conditions and laboratory use.

**Inhalation:** None expected under normal conditions and laboratory use.

**Skin Contact:** None expected under normal conditions and laboratory use.

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

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

#### **4.3 Indication of any Immediate Medical Attention and Special Treatment:**

No data available.

## 5. Fire-Fighting Measures

### **5.1 Suitable (and Unsuitable) Extinguishing Media:**

Product is not flammable; use any media suitable for the surrounding fire.

### **5.2 Specific Hazards Arising From the Substance or Mixture:**

Thermal decomposition may lead to the release of irritating gases and vapors (Carbon oxides, Sulphur oxides, Sodium oxides, and Magnesium oxide).

### **5.3 Special Protective Equipment and Precautions for Firefighters:**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH and full protective gear (sealed chemical suits) if necessary.

## 6. Accidental Release Measures

### **6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:**

Spills and Leaks: No special requirements.

### **6.2 Environmental Precautions:**

Prevent entry into sewers and waterways.

### **6.3 Methods and Materials for Containment and Cleaning Up:**

Small spills; use a damp sponge or mop to absorb spilled liquid. Wash contaminated area with copious amounts of water.

Large spills: absorbed with inert material (vermiculite, sand or earth), then place in a suitable container for disposal. Always comply with local, state, and federal regulations.

## 7. Handling and Storage

### **7.1 Precautions for Safe Handling:**

Wash hands and other exposed areas with mild soap and water before eating, drinking, and/or smoking after leaving work.

### **7.2 Conditions for Safe Storage, Including Any Incompatibilities:**

Store product in tightly closed container in a well-ventilated cool dry area.

## 8. Exposure Controls/Personal Protection

### **8.1 Control Parameters:**

No occupational exposure limits have been established for this product or its chemical components.

### **8.2 Appropriate Engineering Controls:**

Eye wash and safety shower should be available in working and storage vicinity. Normal room ventilation is usually adequate.

### **8.3 Personal Protective Equipment:**

Wear protective gloves (nitrile), impermeable apron or lab coat, and splash proof goggles when handling this product.

## **9. Physical and Chemical Properties**

**Physical State:** Liquid.

**Color:** Clear.

**Odor:** No odor.

**Odor Threshold:** Not determined.

**pH:** 8.0-8.5.

**Melting Point:** Not-applicable.

**Freezing Point:** Not determined.

**Initial Boiling Point:** Not determined.

**Boiling Range:** Not determined.

**Flash Point:** Not applicable.

**Evaporation Rate:** Not determined.

**Flammability Rate (solid, gas):** Not-flammable.

**Explosive Limits:**

- Upper Limits: Not determined. Lower Limits: Not determined.

**Vapor Pressure:** Not determined.

**Vapor Density:** Not determined.

**Relative Density:** Not determined.

**Water Solubility:** Fully miscible.

**Partition Coefficient (n-octanol/water):** Not determined.

**Auto-ignition Temperature:** Product does not self-ignite.

**Decomposition Temperature:** Not determined.

## **10. Stability and Reactivity**

**10.1 Chemical Stability:** Stable under normal laboratory conditions.

**10.2 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.3 Conditions to Avoid:** No data available.

**10.4 Incompatible Materials:** Strong oxidants, strong acids, and strong bases.

**10.5 Hazardous Decomposition Products:** Under fire conditions only; carbon monoxide, carbon dioxide, sulfur oxides, and sodium oxides.

## 11. Toxicological Information

### 11.1 Acute Toxicity:

Inhalation LD50: Data not available.

Dermal LD50: Data not available.

Oral LD50: Data not available.

Inhalation Effects / Respiration Sensitization: Data not available.

Ingestion Effects: Data not available.

Skin Effects /Corrosion/Sensitization: No irritant effect.

Serious Eye Damage and Irritation Effects: No irritant effect.

Reproductive Toxicity: Data not available.

Germ Cell Mutagenicity: Data not available.

Teratogenicity: Data not available.

### Carcinogenicity:

NTP	No component of this product is listed as a known or probable carcinogenic
IARC	No component of this product is listed as a known or probable carcinogenic
OSHA	No component of this product is listed as a known or probable carcinogenic

**Short Term Exposure Specific Target Organ Toxicity (GHS):** Data not available.

**Long Term Exposure Specific Target Organ Toxicity (GHS):** Data not available.

**Aspiration Hazard:** Data not available.

### 11.2 Potential Health Effects:

#### Eyes:

- Acute: Contact of liquid with eyes may cause slight irritation.
- Chronic: No chronic effects expected under normal laboratory use.

#### Skin:

- Acute: Contact with skin is non-irritating.
- Chronic: No chronic effects expected under normal laboratory use.

#### Ingestion:

- Acute: Ingestion not likely to occur under normal conditions of use.
- Chronic: No chronic effects expected under normal laboratory use.

#### Inhalation:

- Acute: Data not available.
- Chronic: Data not available.

### **11.3 Symptoms Related to Physical, Chemical, and Toxicological Characteristic:**

Data not available.

**11.4 RTECS Information:** Data not available.

## **12. Ecological Information**

**12.1 Ecotoxicity:** Data not available.

**12.2 Persistence and Degradability:** Data not available.

**12.3 Bioaccumulative Potential:** Data not available.

**12.4 Mobility in Soil:** Data not available.

**12.5 Other Adverse Effects:** Data not available.

## **13. Disposal Considerations**

### **13.1 Product waste disposal:**

Small quantities of bluing reagent can be drain disposed with approval from local waste water treatment authorities. Follow federal, state, and local disposal regulations if available

**13.2 Contaminated Packaging:** Dispose of as unused product.

**13.3 RCRA P Series Waste:** None of the ingredients are listed.

**13.4 RCRA U Series Waste:** None of the ingredients listed.

## **14. Transport information**

**14.1 UN Number:** Non-hazardous substances not regulated for transport.

**14.2 UN Proper Shipping Name:** Non-hazardous substances not regulated for transport.

**14.3 Transport Hazard Class:** Non-hazardous substances.

**14.4 Packaging Group:** Not applicable.

**14.5 Marine Pollutant:** No.

**14.6 Special Precautions:** None known.

## **15. Regulatory Information**

### **15.1 FEDERAL USA:**

**OSHA:** None of the components are listed.

**TSCA (Inventory):** Sodium bicarbonate and magnesium sulfate.

**CERCLA:** None of the ingredients of this product have a RQ.

**SARA Title III:**

Extremely Hazardous Substance (section 355): Not listed.

Hazardous Categories (sections 311/312): Not listed.

Toxic Chemicals (section 313): Not listed.

**15.2 STATE:**

**California Prop 65:** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Thimerosal

**16. Other Information:**

**16.1 NFPA Classification:**

Health: 0

Fire: 0

Reactivity: 0

**16.2 HMIS Classification:**

Health: 0

Fire: 0

Reactivity: 0

**16.3 Prepared By:** Scigen Regulatory Affairs

**16.4 Revision Date:** 29-May-2015

**16.5 Disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive, it is intended to be used as a guide. No warrant, expressed or implied, is made; Scigen Inc. assumes no legal responsibility or liability whatsoever resulting from its use.