

## Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS

Date of Issue: November 06, 2023

Revision Date: N/A

Version Number: 1.0

**SECTION 1: IDENTIFICATION****1.1 Product Identifier**

**Product Form:** Mixture

**Product Name:** Blocking Buffer for Immunohistochemistry - Serum and Azide Free

**Product Code:** MB-071-0100

**1.2 Intended Use of the Product**

For research use only

**1.3 Name, Address, and telephone of the Responsible Party**

Company:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

**1.4 Emergency Telephone Number**

CHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture**

**GHS-US Classification:** Not classified

**2.2 Label Elements**

**GHS-US Labeling:**

No labeling applicable

Hazard Pictogram: N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

**2.3 Other Hazards**

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

**2.4 Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance**

Not applicable

**3.2 Mixture**

Name	Product Identifier	GHS-US classification
Sodium o-(ethylmercurithio)benzoate (Thimerosal)	(CAS No) 54-64-8	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2

## Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS

		(Inhalation:dust,mist),H330 Eye Irrit. 2A, H319
1,3-Propanediol, 2-amino-2-(hydroxymethyl)- (Tris)	(CAS No) 77-86-1	N/A
NaCl (Sodium Chloride)	(CAS No) 7647-14-5	N/A

\*Additional components are proprietary and do not require disclosure

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

General: Not expected to present a significant hazard under anticipated conditions of normal use.

After Inhalation: Prolonged exposure may cause irritation.

After Skin Contact: Prolonged exposure may cause skin irritation.

After Eye Contact: May cause slight irritation to eyes.

After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Water spray, dry chemical, foam, carbon dioxide (CO<sub>2</sub>).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

### 5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

## Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

**6.1.1 For Non-emergency Personnel**

Protective Equipment: Use appropriate personal protection equipment (PPE).

**6.1.2 For Emergency Personnel**

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**6.2 Environmental Precautions**

Do not let product enter drains.

**6.3 Methods and Material for Containment and Cleaning Up**

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

**6.4 Reference to Other Sections**

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for Safe Handling**

Additional Hazards When Processed: None

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing vapors, mist, and spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

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

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store blocking buffer at 4° C prior to opening. DO NOT FREEZE.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

**7.3 Specific End Use(s)**

For research use only.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control Parameters**

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

**8.2 Exposure Controls**

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.

## Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties**

Physical State: Liquid (sterile filtered)

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

**9.2 Other Information**

No additional information available.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Hazardous reactions will not occur under normal conditions.

**10.2 Chemical Stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3 Possibility of Hazardous Reactions**

Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS

Hazardous polymerization will not occur.

**10.4 Conditions to Avoid**

Direct sunlight, extremely high or low temperatures, and incompatible materials.

**10.5 Incompatible Materials**

Strong acids, strong bases, strong oxidizers. Water reactive materials.

**10.6 Hazardous Decomposition Products**

Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Organic compounds.

Sodium oxides. Potassium oxides. Glycerin decomposes to produce corrosive fumes of Acrolein.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on Toxicological Effects**

**IARC:** No ingredient 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 ingredient 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.

Acute toxicity: Not Classified

<b>1,3-Propanediol, 2-amino-2-(hydroxymethyl)- (77-86-1)</b>	
<b>LD50 Oral Rat</b>	> 5000 mg/kg
<b>LD50 Dermal Rat</b>	> 5000 mg/kg
<b>Sodium o-(ethylmercurithio) benzoate (54-64-8)</b>	
<b>LD50 Oral Rat</b>	75 mg/kg
<b>ATE (Dermal)</b>	5.00 mg/kg body weight
<b>ATE (Dust/Mist)</b>	0.05 mg/l/4h
<b>Sodium Chloride (7647-14-5)</b>	
<b>LD50 Oral</b>	3 g/kg (Rat)
<b>LD50 Dermal</b>	10000 mg/kg (Rabbit)
<b>LC50 Inhalation</b>	42 mg/L (Rat) 1 h

Chronic Toxicity Irritation: Not classified

Sensitization: Not classified

Carcinogenicity: Not classified

Mutagenic effects: Not classified

Reproductive effects: Not classified

Developmental effects: Not classified

Teratogenicity: Not classified

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No data available

**12.2 Persistence and Degradability**

<b>Blocking Buffer for Immunohistochemistry - Serum and Azide Free</b>	
<b>Persistence and Degradability</b>	Not established.

Blocking Buffer for Immunohistochemistry - Serum and Azide Free SDS

**12.3 Bioaccumulative Potential**

<b>Blocking Buffer for Immunohistochemistry - Serum and Azide Free</b>	
<b>Bioaccumulative Potential</b>	Not established.

**12.4 Mobility in Soil**

No data available

**12.5 Other Adverse Effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods**

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

**SECTION 14: TRANSPORT INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

**14.1 In Accordance with DOT**

Not regulated for transport.

**14.2 In Accordance with IMDG**

Not regulated for transport.

**14.3 In Accordance with IATA**

Not regulated for transport.

**14.4 In Accordance with TDG**

Not regulated for transport.

**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

<b>1,3-Propanediol, 2-amino-2-(hydroxymethyl)- (77-86-1)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Sodium o-(ethylmercurithio) benzoate (54-64-8)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Sodium chloride (7647-14-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations**

No data available

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Date of Preparation or Latest Revision: 11/06/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*