

# Safety Data Sheet

Effective Date: March 18, 2016

Version: 1.0

Product Name: 10X Citrate Buffer, pH 6.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name	10X Citrate Buffer, pH 6.0
Cat ##	ACR-002
Components	Sodium Azide
EC	247-852-1
CAS	26628-22-8

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

Liquid in plastic bottle

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

StatLab Medical Products  
 2090 Commerce Drive  
 McKinney, TX 75069  
 (800) 442-3573  
 statlab.com

### 1.4 Emergency telephone number


Chemtrec: 800-424-9300 (USA & Canada)  
 Chemtrec: 703-527-3987 (international)  
 Non-transport: 972-436-1010 (USA)

## SECTION 2: Hazards Identification

### 2.1 Classification of the substance or mixture

COMPONENT 1			
	Hazard Class	Category	Hazard Statements (for pure substances)
Sodium Azide	N/A	N/A	This product has been classified as non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

### 2.2 Label elements

Signal Word	Warning
Pictogram	
H-Statements	N/A
P-Statements	N/A
EUH-Statements	N/A

### 2.3 Other hazards

# Safety Data Sheet

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Version: 1.0

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N/A

## SECTION 3: Composition/information on ingredients

Name	Identifiers	Classification according to CLP	Classification (for pure substances)
Sodium Azide	EC: 247-852-1 CAS: 26628-22-8	Concentration: <0.5%	R28: Very toxic if swallowed, R38: Irritating to skin, R50 Very toxic to aquatic organisms R53: May cause long-term adverse effects in the aquatic environment

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>If inhaled</b>	Move to well-ventilated area and seek medical attention if needed. If individual is not breathing, begin artificial respiration immediately and obtain medical attention
<b>If on skin</b>	Wash exposed area with soap and water and get medical advice if irritation develops.
<b>If in eyes</b>	Immediately wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occurs, obtain medical attention.
<b>If swallowed</b>	Rinse mouth with water. Immediately seek medical attention and call poison control center.
<b>Self-protection of the first aider</b>	N/A

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

N/A

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

N/A

## SECTION 5: Firefighting measures

### 5.1 Flammable Properties

Flash point	N/A
Flash point method	N/A

## Safety Data Sheet

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Product Name: 10X Citrate Buffer, pH 6.0

Autoignition temperature	N/A
Upper flame limit (volume % in air)	N/A
Lower flame limit (volume % in air)	N/A
Flame propagation rate (solids)	N/A
Osha flammability class	N/A

### 5.2 Extinguishing media

Suitable extinguishing media	Water, dry chemical, carbon dioxide or appropriate foam
Unsuitable extinguishing media	N/A

### 5.3 Special hazards arising from the substance or mixture

Hazardous combustion products	N/A
Other information	Avoid inhalation of toxic fumes.

### 5.4 Advice for firefighters

Wear protective clothing containing self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

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

Protective equipment	Ensure adequate ventilation Eye Protection: Wear goggles or safety glasses Hand protection: Wear latex or vinyl gloves Other protective equipment: Use lab coat or apron to prevent contact with eyes, skin and clothing
Emergency procedures	N/A
For emergency responders	N/A

### 6.2 Environmental precautions

Do not allow to enter sewage system
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### 6.3 Methods and material for containment and cleaning up

For containment	N/A
For cleaning up	Use universal precautions during clean up procedures. As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Use liquid absorbent material to absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.
Other information	N/A

### 6.4 Reference to other sections

N/A
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Measures to prevent fire	N/A
Measures to prevent aerosol and dust generation	N/A
Measures to protect the environment	N/A
Advice on general occupational hygiene	Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not ingest. Do not eat, drink when handling this product, and wash hands after handling.

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

Technical measures and storage conditions	Store at 2°C to 8°C
Packaging materials	N/A
Requirements for storage rooms and vessels	N/A
Storage class	N/A
Other information	N/A

### 7.3 Specific end use(s)

Recommendations	N/A
Industrial sector specific solutions	N/A

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
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### 8.2 Exposure controls

Respiratory Protection	Use in well-ventilated laboratory
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

## Safety Data Sheet

Effective Date: March 18, 2016

Version: 1.0

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	Clear, Liquid
Odor	Odorless
Order Threshold	N/A
pH	6
Melting Point/ Freezing Point	N/A
Initial Boiling Point/ Freezing Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability or Explosive Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Solubility	N/A
Partition Coefficient: n-octanol/water	N/A
Auto-Ignition Temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Explosive Properties	N/A
Oxidizing Properties	N/A

#### 9.2 Other Information

N/A

### Section 10: Stability and Reactivity

#### 10.1 Reactivity

N/A

#### 10.2 Chemical Stability

Stable under recommended storage conditions

#### 10.3 Possibility of Hazardous Reactions

N/A

#### 10.4 Conditions to Avoid

Strong prolonged heat and contact with incompatible materials

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### 10.5 Incompatible Materials

Strong Acids  
Strong Bases  
Strong Oxidizers  
Metals and Metallic compounds

Sodium Azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains result in the buildup of shock sensitive compounds.

### 10.6 Hazardous Decomposition Products

N/A

## SECTION 11: Toxicological Information

<b>Sodium Azide (in pure form):</b> mouse LD50 oral 27mg/kg (27mg/kg)	
<b>Common route of entry</b>	Ingestion
<b>Potential Effects of Acute Exposure</b>	Its concentration is low (<0.1%) in this product, but it is highly toxic when ingested in pure form. Overexposure may cause irritation of skin, eyes and mucous membranes, lowered blood pressure and irregular heartbeat. Sodium azide is a chemical asphyxiant and may affect the cardiovascular, respiratory and central nervous systems. Symptoms may include irritation, severe, pounding headaches, dizziness, weakness, nausea, vomiting, low blood pressure, rapid heartbeat, convulsions, collapse and death.
<b>Potential Effects of Chronic Exposure</b>	Prolonged or repeated exposure may result in pounding headaches, eye and nose irritation, low blood pressure, fatigue and dizziness.
<b>Symptoms of Overexposure</b>	Eye, skin, nose and throat irritation; headache, weakness, dizziness, confusion, nausea and vomiting. This may also lead to difficulty in breathing, irregular heartbeat, reddish colored skin, unconsciousness, convulsions, coma and death. Symptoms may be delayed for several hours after exposure.

## SECTION 12: Ecological Information

### 12.1 Toxicity

Preservatives normally are toxic for aquatic organisms when using pure substances. No ecological problems are to be expected when this product is handled and used with care and attention.

### 12.2 Persistence and Degradability

N/A

### 12.3 Bioaccumulative potential

N/A

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### **12.4 Mobility in Soil**

N/A

### **12.5 Results of PBT and vPvB Assessment**

N/A

### **12.6 Other Adverse Effects**

N/A

## **SECTION 13: Disposal Considerations**

### **13.1 Waste Treatment Methods**

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

## **SECTION 14: Transport Information**

### **14.1 Un Number**

N/A

### **14.2 Un Proper Shipping Name**

N/A

### **14.3 Transport Hazard Class (es)**

N/A

### **14.4 Packing Group**

N/A

### **14.5 Environmental Hazards**

N/A

### **14.6 Special Precautions for User**

N/A

### **14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code**

N/A

## **SECTION 15: Regulatory Information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**



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The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

### ***15.2 Chemical Safety Assessment***

N/A

## **SECTION 16: Other Information**

This information is believed to be accurate and represents the best information currently available to StatLab Medical Products. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information of their particular purposes.