

# MATERIAL SAFETY DATA SHEET

## For Antibody Stripping Buffer Solution

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Antibody Stripping Buffer Solution

**Catalog Numbers:** ST010 and ST013

**Company Name & Address:** Gene Bio-Application Ltd.  
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**Information Number:** [Please contact Gene Bio-Application Ltd or your local distributor.](#)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Description

Water solutions of components listed.

Volume of each product package varies: 30-500 ml.

#### Components in Water Reagent

#### Concentration, %

Component 1

2.5-0.03 %

Component 2

97.5-99.97%

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Causes eye and skin burns. Harmful if swallowed.

#### Primary routes of entry

Skin or eye contact from splashes. Inhalation of the vapor at room temperature is unlikely.

#### Ingestion

Harmful if swallowed.

Causes gastrointestinal tract burns.

#### Skin contact

May cause irritation. Avoid direct contact.

#### Eye contact

Irritating. Causes severe eye burns.

#### Medical condition aggravated by overexposures

There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

#### Over exposure signs/symptoms

Not available.

### 4. FIRST AID MEASURES

#### After skin contact

Wash skin with cold water for 15 min with soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if irritating occurs.

#### After eye contact

Rinse opened eyes for 15 minutes under running cold water. Get medical aid immediately.

#### After swallowing (ingestion)

Rinse mouth. Drink plenty of water. Get medical aid. Do not induce vomiting.

#### After inhaling

Remove to fresh air. If breathing becomes difficult, call a physician.

### 5. FIRE FIGHTING MEASURES

#### Fire and explosion hazards

Sensitivity to Mechanical Impact: Contact with aluminum, tin and zinc liberates hydrogen gas.

#### Suitable extinguishing media

Suitable: Use extinguishing media appropriate to surrounding fire conditions.

**Protective equipment**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Special risks**

Specific Hazard(s): Emits toxic fumes under fire conditions.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precaution Procedures To Be Followed In Case of Leak or Spill**

Evacuate area.

**Procedure(s) of Personal Precaution(s)**

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**Methods for cleaning up**

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

**7. HANDLING AND STORAGE****Handling**

No special measures necessary. Good laboratory technique should be used when handling. Do not get in eyes, on skin, on clothing.

**Storage**

Conditions of Storage: Keep tightly closed. Store in a cool dry place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering Controls**

Safety shower and eye bath.

**General Hygiene Measures**

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

**Personal Protective Equipment**

Respiratory Protection: Government approved respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Physical State: liquid.

Color: no color

Form: water solution

**Property Value At Temperature or Pressure**

pH 13.0 - 14.0

Flash Point N/A

Flammability N/A

Autoignition Temp N/A

Oxidizing Properties N/A

Explosive Properties N/A

Explosion Limits N/A

Partition Coefficient N/A

Viscosity N/A

Saturated Vapor Conc. N/A

Evaporation Rate N/A

Decomposition Temp. N/A

Solvent Content N/A

Water Content N/A

Surface Tension N/A

Conductivity N/A

Miscellaneous Data N/A

Solubility N/A

**10. STABILITY AND REACTIVITY****Stability**

Stable, under normal handling and storage conditions.

Materials to Avoid: Strong oxidizing agents, Strong acids and Organic materials.

Hazardous Polymerization: Will not occur

**Decomposition**

No data available.

**11. TOXICOLOGICAL INFORMATION**

**RTECS Number:** WB4900000

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Material is destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema.

**Route of Exposure**

Skin Contact: Causes burns.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes burns.

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS****Substance Disposal**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

**14. TRANSPORT INFORMATION**

Not regulated.

**15. REGULATORY INFORMATION****Classification and Labeling According To EU Directives**

Annex I Index Number: 011-002-00-6

Indication of Danger: C

Corrosive.

R-PHRASES: 35

Causes burn.

S-PHRASES: 26-37/39-45

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**16. OTHER INFORMATION**

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features. Gene Bio-Application Ltd. is not held liable for any damage resulting from handling or from contact with the above products. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Gene Bio-Application Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

**Disclaimer**

For R&D use only. Not for drug, household or other uses.

MSDS has been prepared in accordance with EU Directive 67/548/EEC, 91/155/EEC and other EU Community legislations in force.

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