

# Safety Data Sheet

Trade Name: Buffer A1

Revision Date: 4/29/2017

## SECTION 1. IDENTIFICATION OF PRODUCT AND COMPANY:

**Product Name:** Solution I

### **Manufacturer or Supplier Details:**

Company Name:	Bioland Scientific LLC
Address:	Bioland Scientific LLC 14925 Paramount Blvd., Suite C Paramount, CA 90723 USA
Telephone:	1-562-377-2668
Fax:	1-562-733-6008
Emergency Telephone:	1-562-377-2668

### **Recommended Use of the Chemical and Restrictions on Use:**

Recommended Use:	For research use only.
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## SECTION 2. HAZARDS IDENTIFICATION

### **Hazard Classification:**

Health Hazards:	No known OSHA hazards. Not a dangerous substance according to GHS.
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### **GHS Label Element:**

Hazard Symbol:	N/A
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<b>Hazard Statements:</b>	Not a hazardous substance or mixture.
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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS:

<b>Substance or Mixture:</b>	Mixture of non-hazardous substances.
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<b>Synonyms/Common Names:</b>	N/A
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## SECTION 4. FIRST AID MEASURES:

<b>General Advice:</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>If Inhaled:</b>	If not breathing, give artificial respiration.
<b>In Case of Skin Contact:</b>	Wash with soap and water.
<b>In Case of Eye Contact:</b>	Remove contact lenses, if present and easy to do. Continue rinsing.
<b>If Swallowed:</b>	N/A
<b>Most Important Symptoms and Effects, Acute and Delayed:</b>	N/A
<b>Recommendations for Immediate Medical Attention and Special Treatment:</b>	Treat symptomatically. Symptoms may be delayed.

## SECTION 5. FIREFIGHTING MEASURES:

<b>Conditions of Flammability:</b>	Not flammable or combustible.
<b>Suitable Extinguishing Media:</b>	Dry powder, CO <sub>2</sub> , water spray or regular foam.
<b>Special Protective Equipment for Firefighters:</b>	Wear self-contained breathing apparatus, if necessary.
<b>Hazardous Combustion Products:</b>	N/A
<b>Further Information:</b>	Prevent firefighting water from entering surface water or groundwater.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES:

<b>Personal Precautions:</b>	Avoid inhalation of vapors or mist. See Section 8: Exposure Controls/ Personal Protection for more information.
<b>Environmental Precautions:</b>	N/A
<b>Emergency Procedures:</b>	Evacuate personnel to safe areas and follow emergency response protocols.
<b>Methods and Materials for Containment and Cleaning Up:</b>	Use inert absorbent material to soak up spill.

## SECTION 7. HANDLING AND STORAGE:

<b>Precautions for Safe Handling:</b>	Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors or mist.
<b>Conditions for Safe Storage:</b>	Keep container tightly closed in a dry, well-ventilated place.
<b>Incompatible Products:</b>	N/A

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Appropriate Engineering Controls:** Adequate ventilation and access to eye washing stations are required.

### Recommendations for Personal Protective Measures:

<b>Hand Protection:</b>	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.
<b>Eye Protection:</b>	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.
<b>Skin and Body Protection:</b>	Wear appropriate laboratory attire when handling this product, such as gloves, long pants, closed-toe shoes and a laboratory coat.

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Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be used.
Hygiene Measures:	Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product. Do not eat, drink or smoke when handling this product.

## Special Requirements for Personal Protective Equipment, Protective Clothing, Respirators, etc:

N/A

## Components with Workplace Control Parameters:

N/A

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

### Appearance:

Form:	Liquid
Color:	Colorless

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** 7.0-9.0

**Melting Point/Freezing Point:** No data available

**Initial Boiling Point/Boiling Range:** No data available

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Flammability (Solid, Gas):** No data available

### Upper/Lower Limits on Flammability and Explosive Limits:

Flammability Limit (Upper): No data available

Flammability Limit (Lower): No data available

Explosive Limit (Upper): No data available

Explosive Limit (Lower): No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** No data available.

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**Solubility:**

Solubility in Water: No data available

Solubility (Other): No data available

**Partition Coefficient (n-octanol/  
water):**

No data available

**Auto-Ignition Temperature:**

No data available

**Decomposition Temperature:**

No data available

**Viscosity:**

No data available

## SECTION 10. STABILITY AND REACTIVITY:

**Reactivity:** No dangerous reactions known under conditions of normal use.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** N/A

**Conditions to Avoid:** N/A

**Materials to Avoid:** N/A

**Hazardous Decomposition Products:** N/A

## SECTION 11. TOXICOLOGICAL INFORMATION:

**Information on Likely Routes of Exposure:**

Inhalation: No data available

Ingestion: No data available

Skin: No data available

Eyes: No data available

**Information on Toxicological Effects:****Acute Toxicity:**

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Other Information: No data available

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Irritation: No data available

Respiratory or Skin Sensitization: No data available

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Germ Cell Mutagenicity: No data available

## **Carcinogenicity:**

IARC: No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity: No data available

Teratogenicity: No data available

Specific Target Organ Toxicity - Single Exposure: No data available

Specific Target Organ Toxicity - Repeated Exposures: No data available

Aspiration Hazard: No data available

Signs and Symptoms of Exposure: No data available

Synergistic Effects: No data available

Additional Information: None known.

## **SECTION 12. ECOLOGICAL INFORMATION:**

Toxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

PBT and vPvB Assessment: No data available.

Other Adverse Effects: No data available.

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## SECTION 13. DISPOSAL CONSIDERATIONS:

**Product:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/ Personal Protection for additional handling information and protection of employees.

**Contaminated Packaging:** Disposal must be made according to official regulations.

## SECTION 14. TRANSPORT INFORMATION:

**DOT:** Not regulated.

**IMDG:** Not regulated.

**IATA:** Not regulated.

## SECTION 15. REGULATORY INFORMATION:

### US Federal Regulations:

SARA 302 Components: None present or none present in regulated quantities.

SARA 313 Components: None present or none present in regulated quantities.

SARA 311/312 Hazards: No data available.

### US State Regulations:

California Prop. 65: No ingredient regulated by CA Prop 65 present.

Massachusetts RTK: No ingredient regulated by MS Right to Know Act present.

New Jersey & Community RTK: Water CAS No. 7732-18-5

Pennsylvania RTK: Water CAS No. 7732-18-5

Rhode Island RTK: No ingredient regulated by RI Right to Know Act present.

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## SECTION 16. OTHER INFORMATION:

### Disclaimer:

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