

## 1. Product and Company Identification

### Product Identifier

**Product Name:** Reference Solution  
**Product Code:** AV-BP0095D  
**Recommended Use:** To provide constant electrical potential through the reference electrode.

### Company

Diamond Diagnostics Inc.  
 333 Fiske Street  
 Holliston, MA 01746

**Company Phone Number** 508-429-0450  
**Email** [support@diamonddiagnostics.com](mailto:support@diamonddiagnostics.com)

**Emergency Telephone No:** 508-429-0450

## 2. Hazards Identification

### GHS- Classification

**Classification** Irritant, Health Hazard



### Hazard Statements

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
 P264 Wash...thoroughly after handling  
 P280 Wash...thoroughly after handling  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 Get medical advice/attention if you feel unwell.  
 P321 Specific treatment (see ... on this label).  
 P330 Rinse mouth.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P501 Dispose of contents/container to an approved waste disposal plant.

## 3. Composition/Information on ingredients

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
5-Bromo-5-nitro-1,3-dioxane	250-001-7	Not available	30007-47-7	< 0.02%	Acute Tox. 4; Skin Irrit. 2; H302, H315
Triton X-100	Not available	Not available	9002-93-1	< 0.1%	Xn;R22
Ethylene Glycol	203-473-3	01-2119456816-28-XXXX	107-21-1	< 0.1%	Acute Tox. 4; STOT RE 2; H302, H373

## 4. First Aid Measures

<b>Eye Contact</b>	Flush affected area with copious amounts of water.
<b>Skin Contact</b>	Flush affected area with copious amounts of water.
<b>Inhalation</b>	Remove from exposure and move to fresh air promptly. If not breathing, give artificial respiration and seek medical aid.
<b>Ingestion</b>	Rinse mouth with water, drink large quantities of water and seek medical aid.
<b>Notes to Physician</b>	Treat symptomatically

## 5. Fire-Fighting Measures

<b>Flammable Properties</b>	No information available
<b>Flash Point</b>	No information available
<b>Suitable Extinguishing Media</b>	Suitable for surrounding fire
<b>Hazardous Combustion Products</b>	No information available
<b>Protective Equipment and Precautions for Firefighters</b>	Self-contained breathing apparatus and protective clothing

## 6. Accidental Release Measures

<b>Personnel Precautions</b>	Use personnel protective equipment. Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
<b>Methods for Containment &amp; Cleaning</b>	Soak up with non-combustible absorbent material. Rinse affected area with copious amounts of water. Dispose of in accordance with applicable federal, state, and local law and regulations.
<b>Environmental Precautions</b>	Do not let product enter drains.

## 7. Handling and Storage

<b>Handling</b>	Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
<b>Storage</b>	Store as recommended on product label.
<b>Specific use</b>	See Section 1 – Recommended Use

## 8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
5-Bromo-5-nitro-1,3-dioxane 30007-47-7	Not listed	Not listed	Not listed
Triton X-100	Not listed	Not listed	Not listed
Ethylene Glycol 107-21-1	C; 100.000000 mg/m3	Not listed	Not listed

<b>Engineering Measures</b>	Showers Eye Wash Stations Ventilation Systems
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### Personnel Protective Equipment

<b>Eye/Face Protection</b>	Safety goggles with side-shields
<b>Skin Protection</b>	Wear protective gloves/clothing
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced; NISOH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne containment concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**

Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environment Exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Clear Liquid
<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting Point</b>	No information available
<b>Freezing Point</b>	0°C
<b>Initial Boiling Point</b>	Approx. 100 °C
<b>Flash Point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper/Lower flammability or explosive limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Water Solubility</b>	No information available
<b>Partition coefficient: (n-octanol/water)</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition Temperature °C</b>	No information available
<b>Viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

## 10. Stability and Reactivity

<b>Reactivity</b>	No information available
<b>Chemical Stability</b>	Stable
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition Products</b>	No information available
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to avoid:</b>	Avoid exposure to heat and light
<b>Suggested Storage:</b>	Store as recommended on product label

## 11. Toxicological Information

<b>Acute Toxicity</b>	No information available
<b>Chronic Toxicity</b>	Irritation of affected area.
<b>Target Organ Effects</b>	No information available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

## 12. Ecological Information

**Ecotoxicity**

Toxic to fish, daphnia and other aquatic invertebrates.

## 13. Disposal Considerations

**Waste Disposal Method**

In accordance with applicable federal, state, and local laws and regulations.

**Contaminated Packaging**

In accordance with applicable federal, state, and local laws and regulations.

## 14. Transport Information

**IATA**

Not regulated

**DOR**

Not regulated

## 15. Regulatory Information

**SARA 302 Components**

No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313.

Ethylene Glycol

CAS-No.  
107-21-1

Revision Date:  
2007-07-01

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts right to know components**

Ethylene Glycol

CAS-No.  
107-21-1

Revision Date:  
2007-07-01

**Pennsylvania right to know components**

5-Bromo-5-nitro-1,3-Dioxane  
Ethylene Glycol

CAS-No.  
30007-47-7  
107-21-1

Revision Date:  
  
2007-07-01

**New Jersey right to know components**

5-Bromo-5-nitro-1,3-Dioxane  
Triton X-100  
Ethylene Glycol

CAS-No.  
30007-47-7  
9002-93-1  
107-21-1

Revision Date:  
  
  
2007-07-01

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. Other Information

<b>Issuing Date</b>	31-December-2008
<b>Revision Date</b>	30-November-2015
<b>Revision Note</b>	No information available
<b>Recommended Restrictions</b>	No Restrictions

### Disclaimer

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