

## 1. Product and Company Identification

### Product Identifier

**Product Name:** ISE Reference Solution

**Product Code:** BK-AUH1013D

**Recommended Use:** For the quantitative determination of Na<sup>+</sup>, K<sup>+</sup>, and Cl<sup>-</sup> concentrations in human serum and urine.

### 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



### Hazard Statements

H302 Harmful if swallowed.  
H315 Causes skin irritation.

### Precautionary Statements

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 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
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

## 4. First Aid Measures

**Eye Contact** Flush affected area with copious amounts of water.

**Skin Contact** Flush affected area with copious amounts of water.

**Inhalation** Remove from exposure and move to fresh air promptly. If not breathing, give artificial respiration and seek medical aid.

**Ingestion** Rinse mouth with water, drink large quantities of water and seek medical aid.

**Notes to Physician** 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 laws 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

<b>Engineering Measures</b>	Showers Eye Wash Stations Ventilation Systems
<b>Personnel Protective Equipment</b>	
<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; NIOSH/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.
<b>Hygiene Measures</b>	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.
<b>Environment Exposure</b>	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
<b>Carcinogenicity</b>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

## 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to fish, daphnia and other aquatic invertebrates.
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## 13. Disposal Considerations

<b>Waste Disposal Method</b>	In accordance with applicable federal, state, and local laws and regulations.
<b>Contaminated Packaging</b>	In accordance with applicable federal, state, and local laws and regulations.

## 14. Transport Information

<b>IATA</b>	Not regulated
<b>DOR</b>	Not regulated

## 15. Regulatory Information

<b>SARA 302 Components</b>	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
<b>SARA 313 Components</b>	The following components are subject to reporting levels established by SARA Title III, Section 313.
<b>SARA 311/312 Hazards</b>	Acute Health Hazard

### Massachusetts right to know components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania right to know components

5-Bromo-5-nitro-1,3-Dioxane	CAS-No. 30007-47-7	Revision Date:
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### New Jersey right to know components

5-Bromo-5-nitro-1,3-Dioxane	CAS-No. 30007-47-7	Revision Date:
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### 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

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.