1. Product and Company Identification

Product Identifier

Product Name: ISE Reference Solution
Product Code: OY-AUH1013D
Recommended Use: For the quantitative determination of Na+, K+, and Cl- 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
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No.</th>
<th>Reach Reg. No.</th>
<th>CAS-No.</th>
<th>Weight %</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-nitro-1,3-dioxane</td>
<td>250-001-7</td>
<td>Not available</td>
<td>30007-47-7</td>
<td>&lt; 0.02%</td>
<td>Acute Tox. 4; Skin Irrit. 2; H302, H315</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Suitable Extinguishing Media</td>
<td>Suitable for surrounding fire</td>
</tr>
<tr>
<td>Hazardous Combustion Products</td>
<td>No information available</td>
</tr>
<tr>
<td>Protective Equipment and Precautions for Firefighters</td>
<td>Self-contained breathing apparatus and protective clothing</td>
</tr>
</tbody>
</table>

6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Precaution</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Precautions</td>
<td>Use personnel protective equipment. Use good laboratory procedures. Avoid inhaling, ingesting and contact with skin and eyes.</td>
</tr>
<tr>
<td>Methods for Containment &amp; Cleaning</td>
<td>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.</td>
</tr>
<tr>
<td>Environmental Precautions</td>
<td>Do not let product enter drains.</td>
</tr>
</tbody>
</table>

7. Handling and Storage

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

8. Exposure Controls / Personnel

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-nitro-1,3-dioxane 3007-47-7</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Engineering Measures</th>
<th>Showers</th>
<th>Eye Wash Stations</th>
<th>Ventilation Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Protective Equipment</td>
<td>Eye/Face Protection: Safety goggles with side-shields</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Protection: Wear protective gloves/clothing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Respiratory Protection: 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment Exposure</td>
<td>Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

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

10. Stability and Reactivity

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

11. Toxicological Information

Acute Toxicity No information available
Chronic Toxicity Irritation of affected area.
Target Organ Effects 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.

SARA 311/312 Hazards
Acute Health Hazard

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

Pennsylvania right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-nitro-1,3-Dioxane</td>
<td>30007-47-7</td>
<td></td>
</tr>
</tbody>
</table>

New Jersey right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-nitro-1,3-Dioxane</td>
<td>30007-47-7</td>
<td></td>
</tr>
</tbody>
</table>

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

Issuing Date
31-December-2008

Revision Date
30-November-2015

Revision Note
No information available

Recommended Restrictions
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.