1. Product and Company Identification

**Product Identifier**

**Product Name:** ISE Diluent  
**Product Code:** BM-450043D  
**Recommended Use:** To dilute samples for Na, K, Cl measurements.

**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**  
Irritant, Health Hazard

**Hazard Statements**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H361 Suspected of damaging fertility or the unborn child.

**Precautionary Statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P270 Wear protective gloves/protective clothing/eye protection/face protection.  
P280 Use personal protective equipment as required.  
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.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P313 Specific treatment (see … on this label).  
P321 Rinse mouth.  
P330 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P405 Store locked up.  
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; 0.03%</td>
<td>Acute Tox. 4; Skin Irrit. 2; H302, H315</td>
</tr>
<tr>
<td>Boric Acid</td>
<td>233-139-2</td>
<td>01-21194866683-25-XXXX</td>
<td>10043-35-3</td>
<td>&lt; 1.0%</td>
<td>Repr. 2; H361</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

Flammable Properties

No information available

Flash Point

No information available

Suitable Extinguishing Media

Suitable for surrounding fire

Hazardous Combustion Products

No information available

Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus and protective clothing

6. Accidental Release Measures

Personnel Precautions

Use personnel protective equipment. Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.

Methods for Containment & Cleaning

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

Environmental Precautions

Do not let product enter drains.

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>
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<tr>
<td>5-Bromo-5-nitro-1,3-dioxane 30007-47-7</td>
<td>Not listed</td>
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</tr>
<tr>
<td>Boric Acid 10043-35-3</td>
<td>TWA; 2.00000 mg/m3 STEL; 6.000000mg/m3</td>
<td>Not listed</td>
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</tr>
</tbody>
</table>

Engineering Measures

Showers
Eye Wash Stations
Ventilation Systems

Personnel Protective Equipment

Eye/Face Protection

Safety goggles with side-shields

Skin Protection

Wear protective gloves/clothing

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.

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

Appearance: Clear Liquid  
Odor: No information available  
Odor Threshold: No information available  
PH: No information available  
Melting Point: No information available  
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

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<th>Revision Date</th>
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New Jersey right to know components

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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

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.