1. Product and Company Identification

**Product Identifier**

**Product Name:** Cal A Solution

**Product Code:** AW-SA1029D

**Recommended Use:** To calibrate the ISE electrodes.

**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>
<tr>
<td>Triethanolamine</td>
<td>203-049-8</td>
<td>Not available</td>
<td>102-71-6</td>
<td>&lt; 0.1%</td>
<td>Not available</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>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-nitro-1,3-dioxane</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>30007-47-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>TWA; 5.00000 mg/m3</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>102-71-6</td>
<td></td>
<td></td>
<td></td>
</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: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Triethanolamine)
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, Chronic Health Hazard

Massachusetts right to know components
Triethanolamine 102-71-6 Revision Date: 1993-04-24

Pennsylvania right to know components
5-Bromo-5-nitro-1,3-Dioxane 30007-47-7 Revision Date: 1993-04-24
Triethanolamine 102-71-6 1993-04-24

New Jersey right to know components
5-Bromo-5-nitro-1,3-Dioxane 30007-47-7 Revision Date: 1993-04-24
Triethanolamine 102-71-6 1993-04-24

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.