1. Product and Company Identification

**Product Identifier**

**Product Name:** Urine Calibrator 1-2  
**Product Code:** TB-20270480D  
**Recommended Use:** To provide Urine calibration points for the Na+, K+, and Cl- 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**  
Flammable, Corrosive, Irritant, Toxic, Environmentally Damaging, Health Hazard

**Hazard Statements**

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long-lasting effects.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/…/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fumes/gas/mist/vapors/spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment (see … on this label).  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use … for extinction.
P391 Collect spillage.
P403 + P233 Store in a well ventilated place. Keep container tightly closed.
P403 + P235 Store in a well ventilated place. Keep cool.
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-Chloro-2-methyl-4-isothiazolin-3-one</td>
<td>247-500-7</td>
<td>Not available</td>
<td>26172-55-4</td>
<td>&lt; 0.01%</td>
<td>Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H314, H317, H334, H410</td>
</tr>
<tr>
<td>2-Methyl-4-isothiazolin-3-one</td>
<td>220-239-6</td>
<td>Not available</td>
<td>2682-20-4</td>
<td>&lt; 0.01%</td>
<td>Acute Tox. 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; STOT SE 3; Aquatic Acute 1; H302, H314, H317, H331, H335, H400</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>203-049-8</td>
<td>Not available</td>
<td>102-71-6</td>
<td>&lt; 0.38%</td>
<td>Not available</td>
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<tr>
<td>Acetic Acid</td>
<td>200-580-7</td>
<td>01-2119475328-30-XXXX</td>
<td>64-19-7</td>
<td>&lt; 0.14%</td>
<td>Flam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Eye Contact                  Flush affected area with copious amount of water.
Skin Contact                 Flush affected area with copious amount of water.
Inhalation                   No information available.
Ingestion                    Rinse mouth with water, drink large quantities of milk or 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. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
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 laws and regulations.
Environmental Precautions Do not let product enter drains.

7. Handling and Storage

Handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No Smoking. Take measures to prevent buildup of electrostatic charge.
Storage

Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Non-combustible, corrosive hazardous materials.

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-Chloro-2-methyl-4-isothiazolin-3-one</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>26172-55-4</td>
<td></td>
<td></td>
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<tr>
<td>2-Methyl-4-isothiazolin-3-one</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>2682-20-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>TWA; 5.000000 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>
<tr>
<td>Acetic Acid</td>
<td>TWA; 10.000000 ppm</td>
<td>TWA; 10.000000 ppm, 25.000000 mg/m3</td>
<td>ST; 15.000000 ppm, 37.000000 mg/m3</td>
</tr>
<tr>
<td>64-19-7</td>
<td>TWA; 15.000000 ppm</td>
<td>TWA; 10.000000 ppm, 25.000000 mg/m3</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; 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

Appearance: Clear Liquid
Odor: No information available
Odor Threshold: No information available
pH: Approx. 7
Melting Point: No information available
Freezing Point: No information available
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
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: 2A – Group 2A: Probably carcinogenic to humans (magnesium nitrate hexahydrate). 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: No Restrictions
DOR: No Restrictions

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.
### Safety Data Sheet

**SARA 311/312 Hazards**  
Acute Health Hazard, Chronic Health Hazard

#### Massachusetts right to know components

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Revision Date:</th>
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</thead>
<tbody>
<tr>
<td>Magnesium nitrate hexahydrate</td>
<td>13446-18-9 1993-04-24</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6 1993-04-24</td>
</tr>
<tr>
<td>Acetic Acid</td>
<td>64-19-7 1993-04-24</td>
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#### Pennsylvania right to know components

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<td>2682-20-4</td>
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#### New Jersey right to know components

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<td>Magnesium nitrate hexahydrate</td>
<td>13446-18-9 1993-04-24</td>
</tr>
<tr>
<td>5-chloro-2-methyl-4-isothiazolin-3-one</td>
<td>26172-55-4</td>
</tr>
<tr>
<td>Magnesium chloride</td>
<td>7786-30-3</td>
</tr>
<tr>
<td>2-Methyl-4-isothiazolin-3-one</td>
<td>2682-20-4</td>
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<tr>
<td>Triethanolamine</td>
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<tr>
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<td>64-19-7 1993-04-24</td>
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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**: 23-January-2012
- **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.