

## 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](mailto: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

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
5-Chloro-2-methyl-4-isothiazolin-3-one	247-500-7	Not available	26172-55-4	< 0.01%	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
2-Methyl-4-isothiazolin-3-one	220-239-6	Not available	2682-20-4	< 0.01%	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
Triethanolamine	203-049-8	Not available	102-71-6	< 0.38%	Not available
Acetic Acid	200-580-7	01-2119475328-30-XXXX	64-19-7	< 0.14%	Flam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318

### 4. First Aid Measures

<b>Eye Contact</b>	Flush affected area with copious amount of water.
<b>Skin Contact</b>	Flush affected area with copious amount of water.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	Rinse mouth with water, drink large quantities of milk or water and seek medical aid.
<b>Notes to Physician</b>	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. 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.
<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>	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.
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**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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
5-Chloro-2-methyl-4-isothiazolin-3-one 26172-55-4	Not listed	Not listed	Not listed
2-Methyl-4-isothiazolin-3-one 2682-20-4	Not listed	Not listed	Not listed
Triethanolamine 102-71-6	TWA; 5.000000 mg/m3	Not listed	Not listed
Acetic Acid 64-19-7	TWA; 10.000000 ppm TWA; 15.000000 ppm	TWA; 10.000000 ppm, 25.000000 mg/m3	ST; 15.000000 ppm, 37.000000 mg/m3 TWA; 10.000000 ppm, 25.000000 mg/m3

**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 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

<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: 2A – Group 2A: Probably carcinogenic to humans (magnesium nitrate hexahydrate). 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Triethanolamine)</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>	No Restrictions
<b>DOR</b>	No Restrictions

## 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.

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts right to know components**

	CAS-No.	Revision Date:
Magnesium nitrate hexahydrate	13446-18-9	1993-04-24
Triethanolamine	102-71-6	1993-04-24
Acetic Acid	64-19-7	1993-04-24

**Pennsylvania right to know components**

	CAS-No.	Revision Date:
Magnesium nitrate hexahydrate	13446-18-9	1993-04-24
2-Methyl-4-isothiazolin-3-one	2682-20-4	
Triethanolamine	102-71-6	1993-04-24
Acetic Acid	64-19-7	1993-04-24

**New Jersey right to know components**

	CAS-No.	Revision Date:
Magnesium nitrate hexahydrate	13446-18-9	1993-04-24
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	
Magnesium chloride	7786-30-3	
2-Methyl-4-isothiazolin-3-one	2682-20-4	
Triethanolamine	102-71-6	1993-04-24
Acetic Acid	64-19-7	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**

<b>Issuing Date</b>	23-January-2012
<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.