1. Product and Company Identification

**Product Identifier**

**Product Name:** Buffer Pack

**Product Code:** CD-104227D

**Recommended Use:** To provide calibration points for the Na+, K+, Cl-, Ca++, pH, and hematocrit electrodes.

**Synonyms:** Calibration 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**

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**

P260 Do not breathe dust/fumes/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P260 Do not eat, drink or smoke when using this product.
P270 Use only outdoors or in a well-ventilated area.
P271 Contaminated work clothing should not be allowed out of the workplace.
P272 Avoid release to the environment.
P273 Wear protective gloves/protective clothing/eye protection/face protection.
P275 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.
P391 Collect spillage.
P403 + P233 Store in a well ventilated place. Keep container tightly closed.
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>N/A</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>N/A</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>
</tbody>
</table>

4. First Aid Measures

Eye Contact
Flush affected area with copious amount of water.

Skin Contact
Wash affected area with copious amounts of soap and water. If irritation persists seek medical aid.

Inhalation
Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

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
N/A

Flash Point
N/A

Suitable Extinguishing Media
Suitable for surrounding fire.

Hazardous Combustion Products
N/A

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 in accordance to 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>
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<tbody>
<tr>
<td>5-Chloro-2-methyl-4-isothiazolin-3-one 26172-55-4</td>
<td>Not listed</td>
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<tr>
<td>2-Methyl-4-isothiazolin-3-one 2682-20-4</td>
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<td>Not Listed</td>
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**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 contamination 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**
  - Not determined
- **Evaporation Rate**
  - No information available
- **Flammability (solid, gas)**
  - Not applicable
- **Upper/Lower flammability or explosive limits**
  - Not applicable
- **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: N/A

Hazardous Decomposition Products: No hazardous decomposition known

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: Frequent and prolonged contact with the skin can cause irritation. May cause eye irritation. If ingested may cause discomfort, nausea or vomiting.

Target Organ Effects: No information available

Carcinogenicity: IARC: 2A – Group 2A: Probably carcinogenic to humans (magnesium nitrate hexahydrate)

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.

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

Massachusetts right to know components

<table>
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<td>1993-04-24</td>
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Pennsylvania right to know components

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New Jersey right to know components

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<td>Magnesium chloride</td>
<td>7786-30-3</td>
<td></td>
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<td>2-Methyl-4-isothiazolin-3-one</td>
<td>2682-20-4</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 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.