1. Product and Company Identification

**Product Identifier**

**Product Name:** Reference Solution

**Product Code:** RO-1046999D

**Recommended Use:** To provide constant electrical potential 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**

No information available

**Hazard Statements**

No information available

**Precautionary Statements**

No information available

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>Potassium Chloride</td>
<td>231-211-8</td>
<td>Not available</td>
<td>7447-40-7</td>
<td>&lt; 30%</td>
<td>Not available</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye Contact**

Flush affected area for at least 15 minutes with water.

**Skin Contact**

Wash affected area with soap and water for at least 15 minutes. Remove contaminated clothing.

**Inhalation**

Remove victim to fresh air. If breathing is difficult, give oxygen and seek medical aid.

**Ingestion**

If swallowed, wash mouth out with water and seek medical aid if irritation persists.

**Notes to Physician**

Treat symptomatically.

5. Fire-Fighting Measures

**Flammable Properties**

No information available

**Flash Point**

No information available

**Suitable Extinguishing Media**

Water spray, Carbon Dioxide, chemical powder or appropriate foam.

**Hazardous Combustion Products**

No information available

**Protective Equipment and Precautions for Firefighters**

Self-contained breathing apparatus and protective clothing.

**Further Information**

No information available

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 formation of dust aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions see section 2.2.

Storage
Keep container closed in a dry and well-ventilated place.

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>Potassium Chloride</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>7447-40-7</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; 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
No information available

Melting Point
No information available

Freezing Point
0°C

Initial Boiling Point
No information available

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
<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient: (n-octanol/water)</td>
<td>No information available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No information available</td>
</tr>
<tr>
<td>Chemical Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>No information available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No information available</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No information available</td>
</tr>
<tr>
<td>Suggested Storage</td>
<td>Store as recommended on product label</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>Irritation to mucous membranes, upper respiratory tract, weakness, gastrointestinal irritation and circulatory disturbances.</td>
</tr>
<tr>
<td>Target Organ Effects</td>
<td>No information available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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 NTP.</td>
</tr>
</tbody>
</table>

### 12. Ecological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 13. Disposal Considerations

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Disposal Method</td>
<td>In accordance with applicable federal, state, and local laws and regulations.</td>
</tr>
<tr>
<td>Contaminated Packaging</td>
<td>In accordance with applicable federal, state, and local laws and regulations.</td>
</tr>
</tbody>
</table>

### 14. Transport Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>IATA</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>
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  No information available

Massachusetts right to know components  No components are subject to the Massachusetts Right to Know Act.

Pennsylvania right to know components  No components are subject to the Pennsylvania Right to Know Act

New Jersey right to know components  No components are subject to the New Jersey Right to Know Act

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.