1. Product and Company Identification

**Product Identifier**

**Product Name:** Fluids Pack  
**Product Code:** CD-473691D  
**Recommended Use:** To calibrate the pH electrode and flush the sample probe and electrode path.  

**Company**  
Diamond Diagnostics Inc.  
333 Fiske Street  
Holliston, MA 01746  

**Company Phone Number**  
508-429-0450  
**Email**  
support@diamondddiagnostics.com  
**Emergency Telephone No:** 508-429-0450

2. Hazards Identification

**GHS- Classification**

**Classification**  
Irritant, Corrosive

**Hazard Statements**

- **H302** Harmful if swallowed.  
- **H302 + H312 + H332** Harmful if swallowed, Harmful in contact with skin, Harmful if inhaled.  
- **H315** Causes skin irritation.  
- **H318** Causes serious eye damage.  
- **H335** May cause respiratory irritation.

**Precautionary Statements**

- **P261** Avoid breathing dust/fume/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.  
- **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.  
- **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
- **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
- **P321** Specific treatment (see … on this label).  
- **P322** Specific measures (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.  
- **P403 + P403** Store in a well ventilated place. Keep container tightly closed.  
- **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-Bromo-5-nitro-1,3-dioxane</td>
<td>250-001-7</td>
<td>N/A</td>
<td>30007-47-7</td>
<td>&lt; 0.015%</td>
<td>Acute Tox. 4; Skin Irrit. 2; H302, H315</td>
</tr>
<tr>
<td>Methylbenzethonium Chloride</td>
<td>246-675-7</td>
<td>Not available</td>
<td>25155-18-4</td>
<td>&lt; 0.005%</td>
<td>Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H302 + H312 + H332, H315, H318, H335</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. If breathing is difficult give oxygen. 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**
Alcohol foam, water fog, CO2 or dry chemical

**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 30007-47-7</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Methylbenzethonium Chloride 25155-18-4</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

**Engineering Measures**
Showers
Eye Wash Stations
Ventilation Systems

**Personnel Protective Equipment**

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Safety goggles with side-shields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Protection</td>
<td>Wear protective gloves/clothing</td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>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</td>
</tr>
</tbody>
</table>

Printed on: 7/18/2017  ECO# 8554 SOP16-4223F Rev.03 Effective Date: 07/12/17 Page 2 of 5
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>1</td>
</tr>
<tr>
<td>Melting Point</td>
<td>124-125°C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Initial Boiling Point</td>
<td>Approx. 100 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper/Lower flammability or explosive limits</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>&gt;95</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>Value</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>Strong Acids</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>Avoid exposure to heat and light.</td>
</tr>
<tr>
<td>Suggested Storage:</td>
<td>Store as recommended on product label.</td>
</tr>
</tbody>
</table>
11. Toxicological Information

Acute Toxicity
No information available

Chronic Toxicity
Corrosive to skin and eyes. Abdominal pain discomfort, nausea and diarrhea if ingested. Irritation of affected area.

Target Organ Effects
No information available

Carcinogenicity
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.

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

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

Pennsylvania right to know components

New Jersey right to know components

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.