1. Product and Company Identification

**Product Identifier**

**Product Name:** Flush Solution  
**Product Code:** ME-2309D  
**Recommended Use:** To clean the fluid path.

**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**  
Corrosive, Toxic

**Hazard Statements**

H300  
Fatal if swallowed.

H314  
Causes severe skin burns and eye damage.

**Precautionary Statements**

P260  
Do not breathe dust/fume/gas/mist/vapors/spray.

P301 + P330 + P331  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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>Ammonium Hydrogen fluoride</td>
<td>215-676-4</td>
<td>Not available</td>
<td>1341-49-7</td>
<td>&lt; 1%</td>
<td>Not available</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye Contact**  
Flush affected area with copious amounts of water for at least 15 minutes. Seek medical aid for irritation.

**Skin Contact**  
Flush affected area with copious amounts of water for at least 15 minutes. Seek medical aid for irritation. Remove contaminated clothing and wash before use.

**Inhalation**  
Remove to fresh air. If symptoms persist or are severe, seek prompt medical assistance.

**Ingestion**  
Do not induce vomiting. 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.

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>Ammonium Hydrogen fluoride</td>
<td>Not listed</td>
<td>PEL: 2.5 mg/m3 REL: 2.5 mg/m3 TLV: 2.5 mg/m3 EL: 2.5 mg/m3</td>
<td>Not listed</td>
</tr>
<tr>
<td>1341-49-7</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; NIOSH/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**: 2-4
- **Melting Point**: No information available
- **Freezing Point**: 0°C
- **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**: Miscible
- **Partition coefficient: (n-octanol/water)**: No information available
- **Auto-ignition temperature**: No information available
- **Decomposition Temperature °C**: No information available
- **Viscosity**: No information available
- **Explosive properties**: No information available
- **Oxidizing properties**: 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: 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 NTP.

**12. Ecological Information**

| Ecotoxicity | No information available |

**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**

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.