1. Product and Company Identification

Product Identifier

Product Name: Cell Clean Solution
Product Code: BM-1224310D
Recommended Use: To rinse reaction cells.
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, Skin Irritant, Eye Irritant

Hazard Statements
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H402 Harmful to aquatic life.

Precautionary Statements
P234 Keep in original container.
P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water.
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.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in a corrosive resistant stainless container with a resistant inner liner.
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>Sodium Hydroxide</td>
<td>215-185-5</td>
<td>01-2119457892-27-XXXX</td>
<td>1310-73-2</td>
<td>&lt; 5%</td>
<td>Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 3; H290, H314, H318, H402</td>
</tr>
</tbody>
</table>
4. First Aid Measures

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult physician. Continue rinsing eyes during transport to hospital.

**Skin Contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

**Inhalation**
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Ingestion**
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Consult a physician.

**Notes to Physician**
Treat symptomatically

5. Fire-Fighting Measures

**Flammable Properties**
No information available

**Flash Point**
Approx. 100 °C

**Suitable Extinguishing Media**
Suitable for surrounding fire

**Hazardous Combustion Products**
Reacts with oxidizable materials.

**Protective Equipment and Precautions for Firefighters**
Wear self-contained breathing apparatus for firefighting if necessary.

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 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.

**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>Sodium Hydroxide</td>
<td>C 2.000000 mg/m³</td>
<td>TWA 2.000000 mg/m³</td>
<td>C 2.000000 mg/m³</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-Bromo-5-Nitro-1,3-dioxane</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>30007-47-7</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 to slight Yellow Liquid

Odor Chlorine

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 Approx. 100 °C

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

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 Acids, Ammonia, Metals, Oxidizable materials and Chlorinated Isocyanurates

Hazardous Decomposition Products Chlorine, Hydrochloric Acid, Hypochlorous Acid and Oxygen

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

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

This material does not contain any chemical components with known CAS numbers to exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>2007-03-01</td>
</tr>
</tbody>
</table>

Pennsylvania right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>2007-03-01</td>
</tr>
<tr>
<td>5-Bromo-5-Nitro-1,3-dioxane</td>
<td>30007-47-7</td>
<td>2007-03-01</td>
</tr>
</tbody>
</table>

New Jersey right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>2007-03-01</td>
</tr>
<tr>
<td>5-Bromo-5-Nitro-1,3-dioxane</td>
<td>30007-47-7</td>
<td>2007-03-01</td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuing Date</td>
<td>13-March-2007</td>
</tr>
<tr>
<td>Revision Date</td>
<td>30-November-2015</td>
</tr>
<tr>
<td>Revision Note</td>
<td>No information available</td>
</tr>
<tr>
<td>Recommended Restrictions</td>
<td>No Restrictions</td>
</tr>
</tbody>
</table>

**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.