1. Product and Company Identification

Product Identifier

Product Name: Hitergent Solution
Product Code: BM-1135329D
Recommended Use: To clean reaction cells and water bath

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

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

2. Hazards Identification

GHS- Classification
Classification Corrosive, Skin Irritant, Eye Irritant, Health Hazard

Hazard Statements
H227 Combustible liquid.
H290 Maybe corrosive to metals.
H302 Harmful if swallowed.
H302 + H312 + H332 Harmful if swallowed, in contact with skin or inhaled.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H401 Toxic to aquatic life.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P234 Keep in original container.
P260 Do not breathe dust/fumes/gas/mist/vapors/spray.
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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
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 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
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>Ethoxylated Nonylphenol</td>
<td>500-024-6</td>
<td>Not available</td>
<td>9016-45-9</td>
<td>&lt; 2%</td>
<td>Acute Tox. 4; Eye Dam. 1; Aquatic Acute 1; H302, H318, H400</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>205-483-3</td>
<td>Not available</td>
<td>141-43-5</td>
<td>&lt; 6%</td>
<td>Flam Liq. 4; Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 3; H227, H302 +H312 + H332, H314, H318, H335, H401, H412</td>
</tr>
<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
Flush affected area with copious amounts of water.

Skin Contact
Flush affected area with copious amounts of water.

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
Not applicable

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.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylated Nonylphenol 9016-45-9</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Sodium Hydroxide 1310-73-2</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>Ethanolamine 141-43-5</td>
<td>TWA 3 ppm</td>
<td>TWA 3 ppm 6 mg/m³</td>
<td>TWA 3.000000 ppm 8.000000 mg/m³ ST 6.000000 ppm 15.000000 mg/m³</td>
</tr>
<tr>
<td>1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione 6440-58-0</td>
<td>Not listed</td>
<td>Not listed</td>
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</tr>
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</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  
Vapor density  
Relative density  
Water Solubility  
Partition coefficient: (n-octanol/water)  
Auto-ignition temperature  
Decomposition Temperature °C  
Viscosity  
Explosive properties  
Oxidizing properties  

10. Stability and Reactivity

Reactivity  
Chemical Stability  
Incompatible Materials  
Hazardous Decomposition Products  
Hazardous Polymerization:  
Conditions to avoid:  
Suggested Storage:  

11. Toxicological Information

Acute Toxicity  
Chronic Toxicity  
Target Organ Effects  
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  

13. Disposal Considerations

Waste Disposal Method  
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>
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<tr>
<td>Ethanolamine 141-43-5</td>
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Pennsylvania right to know components
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New Jersey right to know components
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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
13-March-2007

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.