1. Product and Company Identification

Product Name: ISE Cleaning Solution
Product Code: OY-AUH1019D
Recommended Use: For ISE cleaning procedure.
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 Maybe corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statements
P234 Keep in original container.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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 + 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.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.
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>
<tr>
<td>Sodium hypochlorite</td>
<td>231-668-3</td>
<td>017-011-00-1</td>
<td>7681-52-9</td>
<td>&lt; 1%</td>
<td>Skin Corr. 1B; Eye Irrit. 2A; Aquatic Acute 1; Aquatic Chronic 1; H314, H319, H410</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**
No information available

**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**
100°C

**Suitable Extinguishing Media**
Suitable for surrounding fire

**Hazardous Combustion Products**
No information available

**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. 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>Sodium Hypochlorite 7681-52-9</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>
</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to slight Yellow Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Chlorine</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>10</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>0°C</td>
</tr>
<tr>
<td>Initial Boiling Point</td>
<td>Approx. 100 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>100°C</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>Soluble</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

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

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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.