1. Product and Company Identification

**Product Identifier**

**Product Name:** Deproteinizer Solution

**Product Code:** AV-BP0521D

**Recommended Use:** To remove protein from surfaces and reference electrode.

**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**

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

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
P391 Collect spillage.
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>Sodium hypochlorite</td>
<td>231-668-3</td>
<td>017-011-00-1</td>
<td>7681-52-9</td>
<td>&lt; 2%</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**

Flush with water. Hold eyelids open. Continue flushing with water for 15 minutes. Seek prompt medical aid.

**Skin Contact**

Wash affected area with large amounts of water for 15 minutes. Seek prompt medical aid.

**Inhalation**

No information available
Ingestion
Drink large quantities of water. Do not induce vomiting. Do not give victim vinegar or other acids. Seek prompt medical aid.

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
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. 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. Discharge into the environment must be avoided.

7. Handling and Storage

Handling
Avoid inhalation of vapor or mist.

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>Sodium Hypochlorite 7681-52-9</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

- **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

### Odor Threshold
No information available

### pH
10-11

### Melting Point
No information available

### Freezing Point
0°C

### Initial Boiling Point
Approx. 100 °C

### Flash Point
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
Soluble

### 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

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>No information available</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chemical Stability</th>
<th>Stable</th>
</tr>
</thead>
</table>

| Incompatible Materials | Acid, Ammonia, Metals, Oxidizable materials and Chlorinated isocyanurates |

| Hazardous Decomposition Products | Chlorine, Hydrochloric Acid, Hypochlorus 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

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>No information available</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chronic Toxicity</th>
<th>Irritation of affected area</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Target Organ Effects</th>
<th>No information available</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>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.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>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.</th>
</tr>
</thead>
</table>

|                          | 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. |
12. Ecological Information

Ecotoxicity  Very toxic to aquatic life.

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 that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards  Acute Health Hazard

Massachusetts right to know components
Sodium Hypochlorite  7681-52-9

Pennsylvania right to know components
Sodium Hypochlorite  7681-52-9

New Jersey right to know components
Sodium Hypochlorite  7681-52-9

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.