# 1. Product and Company Identification

**Product Identifier**

<table>
<thead>
<tr>
<th><strong>Product Name:</strong></th>
<th>ISE Low Serum Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Code:</strong></td>
<td>OY-AUH1014D</td>
</tr>
<tr>
<td><strong>Recommended Use:</strong></td>
<td>For the quantitative determination of Na+, K+, and Cl- concentrations in human serum and urine.</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritant, Toxic, Health Hazard, Corrosive</td>
</tr>
</tbody>
</table>

**Hazard Statements**

- **H227** Combustible liquid.
- **H301 + H311 + H331** Toxic if swallowed, in contact with skin, or if inhaled.
- **H314** Causes severe skin burns and eye damage.
- **H317** May cause an allergic skin reaction.
- **H318** Causes serious eye damage.
- **H341** Suspected of causing genetic defects.
- **H350** May cause cancer.
- **H370** Causes damage to organs.
- **H402** Harmful to aquatic life.

**Precautionary Statements**

- **P201** Obtain special instructions before use.
- **P202** Do not handle until all safety precautions have been read and understood.
- **P210** Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- **P260** Do not breathe 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.
- **P272** Contaminated work clothing should not be allowed out of the workplace.
- **P273** Avoid release to the environment.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P301 + P310 + P330** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
- **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.
- **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** 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.
- **P307 + P311** IF exposed: Call a POISON CENTER or doctor/physician.
- **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention.
- **P362** Take off contaminated clothing.
- **P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant to extinguish.
- **P403 + P233** Store in a well ventilated place. Keep container tightly closed.
- **P403 + P235** Store in a well ventilated place. Keep cool.
- **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>Formaldehyde</td>
<td>200-001-8</td>
<td>Not available</td>
<td>50-00-0</td>
<td>&lt; 1%</td>
<td>Flam. Liq 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1A; Aquatic Acute 3; H227, H301 + H311, H314, H317, H318, H341, H350, H402</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye Contact**
Flush affected area with copious amounts of water.

**Skin Contact**
Wash affected area with copious amounts of soap and water. If irritation persists seek medical aid.

**Inhalation**
Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Seek medical aid if cough or other symptoms appear.

**Ingestion**
Rinse mouth with water, drink large quantities of water and seek medical aid.

**Notes to Physician**
Treat symptomatically

5. Fire-Fighting Measures

**Flammable Properties**
Not flammable

**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

6. Accidental Release Measures

**Personnel Precautions**
Use personnel protective equipment. Avoid inhaling, ingesting and contact with eyes and skin.

**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>Formaldehyde</td>
<td>C; 0.300000ppm</td>
<td>PEL: 0.750000ppm</td>
<td>TWA: 0.016000ppm</td>
</tr>
<tr>
<td>50-00-0</td>
<td>STEL: 2.000000ppm</td>
<td>C: 0.100000ppm</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear Liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td>0°C</td>
</tr>
<tr>
<td><strong>Initial Boiling Point</strong></td>
<td>Approx. 100 °C</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Upper/Lower flammability or explosive limits</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Partition coefficient: (n-octanol/water)</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Decomposition Temperature °C</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactivity</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Chemical Stability</strong></td>
<td>Stable</td>
</tr>
<tr>
<td><strong>Incompatible Materials</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Hazardous Decomposition Products</strong></td>
<td>Formaldehyde, Carbon Monoxide</td>
</tr>
<tr>
<td><strong>Hazardous Polymerization:</strong></td>
<td>Will not occur</td>
</tr>
</tbody>
</table>
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 exposed area. Mucous membrane irritation

Target Organ Effects
No information available

Carcinogenicity
IARC: 1 – Group 1: Carcinogenic to humans (Formaldehyde)
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: Known to be human carcinogen (Formaldehyde)
OSHA: OSHA specifically regulated carcinogen (Formaldehyde)

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
The following components are subject to reporting levels established by SARA Title III, Section 302.
Formaldehyde
CAS-No. 50-00-0
Revision Date: 2007-07-01

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313.
Formaldehyde
CAS-No. 50-00-0
Revision Date: 2007-07-01

SARA 311/312 Hazards
Acute Health Hazard, Fire Hazard, Chronic Health Hazard

Massachusetts right to know components
Formaldehyde
CAS-No. 50-00-0
Revision Date: 2007-07-01

Pennsylvania right to know components
Formaldehyde
CAS-No. 50-00-0
Revision Date: 2007-07-01

New Jersey right to know components
Formaldehyde
CAS-No. 50-00-0
Revision Date: 2007-07-01
California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Formaldehyde

CAS-No. 50-00-0

Revision Date: 2007-09-28

16. Other Information

Issuing Date 31-December-2008

Revision Date 30-November-2015

Revision Note No information available

Recommended Restrictions No Restrictions

Disclaimer

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