1. Product and Company Identification

Product Identifier

Product Name: ISE Serum Standard High/Low
Product Code: SM-B03417501D
Recommended Use: For use in the quantitative determination of Sodium, Potassium, and Chloride in Human Serum and Plasma.
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: Irritant

Hazard Statements
H302 Harmful if swallowed.
H315 Causes skin irritation.

Precautionary Statements
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see … on this label).
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
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; 0.5%</td>
<td>Flam. Liq 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Mut. 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: Flush affected area with copious amounts of water.
Inhalation: Remove from exposure and move to fresh air promptly. If not breathing, give artificial respiration and seek medical aid.
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  No information available
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. Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
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  Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
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>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></td>
<td>C: 0.100000ppm</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 Liquid
Odor  No information available
Odor Threshold  No information available
10. Stability and Reactivity

Reactivity: No information available
Chemical Stability: Stable
Incompatible Materials: Strong acids and bases
Hazardous Decomposition Products: Formaldehyde, Carbon Monoxide
Hazardous Polymerization: Will not occur
Conditions to avoid: Avoid exposure to extreme 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 OSHA.
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
The following components are subject to reporting levels established by SARA Title III, Section 302.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313.

<table>
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<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
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<tbody>
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<td>Formaldehyde</td>
<td>50-00-0</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

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

Massachusetts right to know components

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</thead>
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<td>2007-07-01</td>
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Pennsylvania right to know components

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<th>Revision Date</th>
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</thead>
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<td>50-00-0</td>
<td>2007-07-01</td>
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</table>

New Jersey right to know components

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<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

California Prop. 65 Components
WARNING! This product contains a chemical known to the State of California to cause cancer.

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<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>2007-09-28</td>
</tr>
</tbody>
</table>

16. Other Information

Issuing Date
01-October-2013

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.