1. Product and Company Identification

Product Identifier

Product Name: ISE Buffer
Product Code: BK-467915D
Recommended Use: For the quantitative determination of Na+, K+, Cl-, tCO2, and Ca++ in serum or urine.

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 Flammable, Toxic, Health Hazard

Hazard Statements
H225 Highly flammable liquid and vapor.
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.
H370 Causes damage to organs.

Precautionary Statements
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
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.
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.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Rinse mouth. Call a POISON CENTER or doctor/physician.
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>Methanol</td>
<td>200-659-6</td>
<td>01-2119433307-44-XXXX</td>
<td>67-56-1</td>
<td>&lt; 1%</td>
<td>Flamm. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301 + H311 + H331, H370</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.

**Further Information**
No information available

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 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>Methanol 67-56-1</td>
<td>TWA; 200.000000ppm, STEL; 250.000000ppm</td>
<td>TWA; 200.000000ppm, 260.000000mg/m3</td>
<td>TWA; 2000.000000ppm, 260.000000mg/m3, ST; 250.000000ppm, 325.000000mg/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

- **Appearance**: Clear Liquid
- **Odor**: No information available
- **Odor Threshold**: No information available
- **pH**: Approx. 7
- **Melting Point**: No information available
- **Freezing Point**: No information available
- **Initial Boiling Point**: Approx. 100 °C
- **Flash Point**: No information available
- **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**: No information available
- **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

- **Reactivity**: No information available
- **Chemical Stability**: Stable
- **Incompatible Materials**: No information available
- **Hazardous Decomposition Products**: No information available
- **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 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 No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313.

Methanol
CAS-No. 67-56-1
Revision Date: 2007-07-01

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

Massachusetts right to know components

Methanol
CAS-No. 67-56-1
Revision Date: 2007-07-01

Pennsylvania right to know components

Methanol
CAS-No. 67-56-1
Revision Date: 2007-07-01

New Jersey right to know components

Methanol
CAS-No. 67-56-1
Revision Date: 2007-07-01

California Prop. 65 Components WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol
CAS-No. 67-56-1
Revision Date: 2007-07-01
16. Other Information

Issuing Date 13-September-2012
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.