

## 1. Product and Company Identification

### Product Identifier

**Product Name:** ISE Buffer  
**Product Code:** OY-AUH1011D  
**Recommended Use:** For the quantitative determination of Na+, K+, and Cl- concentrations in human serum and urine.

### Company

Diamond Diagnostics Inc.  
 333 Fiske Street  
 Holliston, MA 01746

**Company Phone Number** 508-429-0450  
**Email** [support@diamonddiagnostics.com](mailto:support@diamonddiagnostics.com)

**Emergency Telephone No:** 508-429-0450

## 2. Hazards Identification

### GHS- Classification

#### Classification

Irritant, Toxic, Health Hazard, Corrosive



#### 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

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
Formaldehyde	200-001-8	Not available	50-00-0	< 0.5%	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
Triethanolamine	203-049-8	Not available	102-71-6	< 5.0%	Not available

### 4. First Aid Measures

<b>Eye Contact</b>	Flush affected area with copious amounts of water.
<b>Skin Contact</b>	Wash affected area with copious amounts of soap and water. If irritation persists seek medical aid.
<b>Inhalation</b>	Remove from exposure and move to fresh air immediately. If Breathing is difficult, give oxygen. Seek medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Rinse mouth with water, drink large quantities of water and seek medical aid.
<b>Notes to Physician</b>	Treat symptomatically

### 5. Fire-Fighting Measures

<b>Flammable Properties</b>	No information available
<b>Flash Point</b>	No information available
<b>Suitable Extinguishing Media</b>	Suitable for surrounding fire
<b>Hazardous Combustion Products</b>	No information available
<b>Protective Equipment and Precautions for Firefighters</b>	Self-contained breathing apparatus and protective clothing
<b>Further Information</b>	No information available

### 6. Accidental Release Measures

<b>Personnel Precautions</b>	Use personnel protective equipment. Avoid inhaling, ingesting and contact with eyes and skin.
<b>Methods for Containment &amp; Cleaning</b>	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.
<b>Environmental Precautions</b>	Do not let product enter drains.

### 7. Handling and Storage

<b>Handling</b>	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.
<b>Storage</b>	Keep container closed in a dry and well-ventilated place.
<b>Specific use</b>	See Section 1 – Recommended Use

## 8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Formaldehyde 50-00-0	C; 0.300000ppm;	PEL; 0.750000ppm STEL; 2.000000ppm	TWA; 0.016000ppm C; 0.100000ppm
Triethanolamine 102-71-6	TWA; 5.000000 mg/m3	Not listed	Not listed

### 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; NISOH/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	No information available
Melting Point	No information available
Freezing Point	0°C
Initial Boiling Point	Approx. 100 °C
Flash Point	Not flammable
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

<b>Reactivity</b>	No information available
<b>Chemical Stability</b>	Stable
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition Products</b>	Formaldehyde, Carbon Monoxide
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to avoid:</b>	avoid exposure to heat and light
<b>Suggested Storage:</b>	Store as recommended on product label

## 11. Toxicological Information

<b>Acute Toxicity</b>	no information available
<b>Chronic Toxicity</b>	Irritation of exposed area. Mucous membrane irritation
<b>Target Organ Effects</b>	No information available
<b>Carcinogenicity</b>	IARC: 1 – Group 1: Carcinogenic to humans (Formaldehyde). 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Triethanolamine)  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

<b>Ecotoxicity</b>	No information available
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## 13. Disposal Considerations

<b>Waste Disposal Method</b>	In accordance with applicable federal, state, and local laws and regulations.
<b>Contaminated Packaging</b>	In accordance with applicable federal, state, and local laws and regulations.

## 14. Transport Information

<b>IATA</b>	Not regulated
<b>DOR</b>	Not regulated

## 15. Regulatory Information

<b>SARA 302 Components</b>	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
<b>SARA 313 Components</b>	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
<b>SARA 311/312 Hazards</b>	Acute Health Hazard, Fire Hazard, Chronic Health Hazard	
<b>Massachusetts right to know components</b>		
Formaldehyde	CAS-No. 50-00-0	Revision Date: 2007-07-01

Triethanolamine 102-71-6 1993-04-24

**Pennsylvania right to know components**

	CAS-No.	Revision Date:
Formaldehyde	50-00-0	2007-07-01
Triethanolamine	102-71-6	1993-04-24

**New Jersey right to know components**

	CAS-No.	Revision Date:
Formaldehyde	50-00-0	2007-07-01
Triethanolamine	102-71-6	1993-04-24

**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**

<b>Issuing Date</b>	31-December-2008
<b>Revision Date</b>	30-November-2015
<b>Revision Note</b>	No information available
<b>Recommended Restrictions</b>	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.