

1. Product and Company Identification

Product Identifier

Product Name: ISE Buffer

Product Code: BK-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

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

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	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 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

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; 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

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

Reactivity	No information available
Chemical Stability	Stable
Incompatible Materials	No information available
Hazardous Decomposition Products	Formaldehyde, Carbon Monoxide
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 exposed area. Mucous membrane irritation
Target Organ Effects	No information available
Carcinogenicity	<p>IARC: 1 – Group 1: Carcinogenic to humans (Formaldehyde). 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Triethanolamine)</p> <p>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.</p> <p>NTP: Known to be human carcinogen (Formaldehyde)</p> <p>OSHA: OSHA specifically regulated carcinogen (Formaldehyde)</p>

12. Ecological Information

Ecotoxicity	No information available
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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

Triethanolamine	102-71-6	1993-04-24
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Pennsylvania right to know components

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

New Jersey right to know components

Formaldehyde	CAS-No. 50-00-0	Revision Date: 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

Issuing Date	31-December-2008
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.