

## 1. Product and Company Identification

### Product Identifier

**Product Name:** Tokyo Boeki Calibrator 1 Solution  
**Product Code:** TB-20270477D  
**Recommended Use:** To provide calibration points for the Na+, K+, and Cl- electrodes.

### 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

Corrosive, Flammable, Health Hazard, Irritant



#### Hazard Statements

H226	Flammable liquid and vapor.
H228	Flammable solid.
H302 + H332	Harmful if swallowed or inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long-lasting effects.

#### 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.
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.
P261	Avoid breathing 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 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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/doctor.
P305 + P351 + P338 + P310	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/doctor.
P310	Immediately call a POISON CENTER or doctor/physician.

P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use ... for extinction.
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
Triethanolamine	203-049-8	Not available	102-71-6	< 0.38%	Not available
Acetic Acid	200-580-7	01-2119475328-30-XXXX	64-19-7	< 0.14%	Flam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318
Paraformaldehyde	Not available	Not available	30525-89-4	< 0.05%	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; Carc. 2; STOT SE 3; Aquatic Acute 3; Aquatic Chronic 3; H228, H302 + H332, H315, H317, H318, H335, H351, H412

### 4. First Aid Measures

<b>Eye Contact</b>	Flush affected area with copious amounts of water.
<b>Skin Contact</b>	Flush affected area with copious amounts of water.
<b>Inhalation</b>	No information available
<b>Ingestion</b>	Rinse mouth with water, drink large quantities of milk or 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 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.
<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
Triethanolamine 102-71-6	TWA; 5.000000 mg/m3	Not listed	Not listed
Acetic Acid 64-19-7	TWA; 10.000000 ppm STEL; 15.000000 ppm	TWA; 10.000000 ppm, 25.000000 mg/m3	ST; 15.000000 ppm, 37.000000 mg/m3 TWA; 10.000000 ppm, 25.000000 mg/m3
Paraformaldehyde 30525-89-4	Not listed	Not listed	Not listed

<b>Engineering Measures</b>	Showers Eye Wash Stations Ventilation Systems
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### Personnel Protective Equipment

<b>Eye/Face Protection</b>	Safety goggles with side-shields
<b>Skin Protection</b>	Wear protective gloves/clothing
<b>Respiratory Protection</b>	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.

<b>Hygiene Measures</b>	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.
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<b>Environment Exposure</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
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## 9. Physical and Chemical Properties

<b>Appearance</b>	Clear, colorless liquid
<b>Odor</b>	Slight odor
<b>Odor Threshold</b>	No information available
<b>pH</b>	Approx. 7
<b>Melting Point</b>	No information available
<b>Freezing Point</b>	No information available
<b>Initial Boiling Point</b>	Approx. 100 °C
<b>Flash Point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper/Lower flammability or explosive limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Water Solubility</b>	Miscible
<b>Partition coefficient: (n-octanol/water)</b>	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	Inhalation – May cause respiratory irritation.
Carcinogenicity	IARC: 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: 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
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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

<b>SARA 302 Components</b>	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.	
<b>SARA 313 Components</b>	The following components are subject to reporting levels established by SARA Title III, Section 313.	
<b>SARA 311/312 Hazards</b>	Chronic Health Hazard, Fire Hazard, Acute Health Hazard	
<b>Massachusetts right to know components</b>		
Triethanolamine	CAS-No. 102-71-6	Revision Date: 1993-04-24
Acetic Acid	64-19-7	1993-04-24
Paraformaldehyde	30525-89-4	2007-03-01
<b>Pennsylvania right to know components</b>		
Triethanolamine	CAS-No. 102-71-6	Revision Date: 1993-04-24
Acetic Acid	64-19-7	1993-04-24
Paraformaldehyde	30525-89-4	2007-03-01
<b>New Jersey right to know components</b>		
Triethanolamine	CAS-No. 102-71-6	Revision Date: 1993-04-24
Acetic Acid	64-19-7	1993-04-24
Paraformaldehyde	30525-89-4	2007-03-01

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. Other Information

<b>Issuing Date</b>	23-January-2012
<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.