

1. Product and Company Identification

Product Identifier

Product Name: Calibration Standard 2
Product Code: BK-443365D
Recommended Use: For the calibration of Na+, K+, Cl-, Ca++, TCO2, BUN, Glucose, Ca++ and Creatinine.

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 Health Hazard



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.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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.
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 + 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.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

P337 + P313
P342 + P311
P362
P370 + P378
P403 + P233
P403 + P235
P405
P501

If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Take off contaminated clothing.
In case of fire: Use dry sand, dry chemical or alcohol-resistant to extinguish.
Store in a well ventilated place. Keep container tightly closed.
Store in a well ventilated place. Keep cool.
Store locked up.
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
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	229-222-8	Not available	6440-58-0	< 0.1%	Acute Tox. 4; Eye Irrit. 2A; Resp Sens 1; H302, H319, H334
Formaldehyde	200-001-8	Not available	50-00-0	< 0.03%	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

4. First Aid Measures

Eye Contact	Flush affected area for 15 minutes with water.
Skin Contact	Flush affected area with copious amounts of water.
Inhalation	Remove victim to fresh air. If breathing is difficult, give oxygen and seek medical aid.
Ingestion	If swallowed, drink water and seek medical aid if irritation persists.
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. 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 inhalation of vapor or mist. Keep away from sources of ignition – No Smoking. Take measures to prevent buildup of electrostatic charge.
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Storage Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Non-combustible, corrosive hazardous materials.

Specific use See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione 6440-58-0	Not listed	Not listed	Not listed
Formaldehyde 50-00-0	C; 0.300000ppm;	PEL; 0.750000ppm STEL; 2.000000ppm	TWA; 0.016000ppm C; 0.100000ppm

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 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 100%

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 Strong acids and bases
Hazardous Decomposition Products Formaldehyde will be released when heated to 90°C
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 May cause allergic response in persons with preexisting sensitivity to formaldehyde.
Target Organ Effects No information available
Carcinogenicity IARC: 1 – Group 1: Carcinogenic to humans (Formaldehyde)
 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

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.
 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

Pennsylvania right to know components

1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione
Formaldehyde

CAS-No.
6440-58-0
50-00-0

Revision Date:
2007-07-01

New Jersey right to know components

1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione
Formaldehyde

CAS-No.
6440-58-0
50-00-0

Revision Date:
2007-07-01

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.