1. Product and Company Identification

**Product Identifier**

**Product Name:** Glucose Reagent

**Product Code:** BK-443355D

**Recommended Use:** For the quantitative determination of glucose in serum, plasma, urine and cerebrospinal fluid.

**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**

H225
Highly flammable liquid and vapor.

H319
Causes serious eye irritation.

H334
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**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.

P261
Avoid breathing dust/fume/gas/mist/vapors/spray.

P264
Wash skin thoroughly after handling.

P280
Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P337 + P313
If eye irritation persists: Get medical advice/attention.

P342 + P311
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P370 + P378
In case of fire: Use … for extinction.

P403 + P425
Store in a well-ventilated place. Keep cool.

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>1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione</td>
<td>229-222-8</td>
<td>Not available</td>
<td>6440-58-0</td>
<td>&lt; 0.1%</td>
<td>Acute Tox. 4; Eye Irrit. 2A; Resp Sens 1; H302, H319, H334</td>
</tr>
<tr>
<td>Glycerol</td>
<td>200-289-5</td>
<td>Not available</td>
<td>56-81-5</td>
<td>&lt; 10%</td>
<td>Not available</td>
</tr>
</tbody>
</table>
4. First Aid Measures

Eye Contact
Flush affected area for at least 15 minutes with water, making sure to lift eyelids. Seek medical aid.

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
43°C

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.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
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<tr>
<td>1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione 6440-58-0</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Glycerol 56-81-5</td>
<td>Not listed</td>
<td>TWA; 15 mg/m3 TWA; 5 mg/m3</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>TWA; 1000.000000ppm STEL; 1000.000000ppm TWA; 1000 ppm, 1900 mg/m3</td>
<td>TWA; 1000.000000ppm, 1900.000000 mg/m3</td>
<td></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**: Slight solvent odor
- **Odor Threshold**: No information available
- **pH**: 6
- **Melting Point**: No information available
- **Freezing Point**: 0°C
- **Initial Boiling Point**: Approx. 100 °C
- **Flash Point**: 43°C
- **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**: Miscible
- **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
Frequent and prolonged contact with the skin can cause irritation. May cause eye irritation. If ingested may cause discomfort, nausea, or vomiting. May cause allergic response in persons with preexisting sensitivity to formaldehyde.

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 OSHA.

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
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.

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

Massachusetts right to know components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
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<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>2007-03-01</td>
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Pennsylvania right to know components

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New Jersey right to know components

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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

<table>
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<tr>
<th>Issuing Date</th>
<th>31-December-2008</th>
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<tbody>
<tr>
<td>Revision Date</td>
<td>30-November-2015</td>
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<tr>
<td>Revision Note</td>
<td>No information available</td>
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<tr>
<td>Recommended Restrictions</td>
<td>No Restrictions</td>
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</table>

**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.