1. Product and Company Identification

Product Identifier

Product Name: Cleaning Solution
Product Code: TB-20270479D
Recommended Use: To clean the ISE sample port and sample path.

Company
Diamond Diagnostics Inc.
333 Fiske Street
Holliston, MA 01746

Company Phone Number 508-429-0450
Email support@diamondddiagnostics.com
Emergency Telephone No: 508-429-0450

2. Hazards Identification

GHS- Classification
Classification Corrosive, Health Hazard, Irritant, Environmentally Damaging

Hazard Statements
H302 Harmful if swallowed.
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.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410 Very toxic to aquatic life with long-lasting effects.

Precautionary Statements
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.
P285 In case of inadequate ventilation wear respiratory protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor/…/if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN (or hair): Wash with plenty of water.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: 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.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see … on this label).
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
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>5-Bromo-5-Nitro-1,3-Dioxane</td>
<td>250-001-7</td>
<td>Not available</td>
<td>30007-47-7</td>
<td>&lt; 0.2%</td>
<td>Acute Tox. 4; Skin Irrit. 2; H302, H315</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>200-338-0</td>
<td>Not available</td>
<td>57-55-6</td>
<td>&lt; 0.25%</td>
<td>Not available</td>
</tr>
<tr>
<td>ProClin 300</td>
<td>Not available</td>
<td>Not available</td>
<td>55965-84-9</td>
<td>&lt; 0.8%</td>
<td>Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Resp. Sens. 1; Aquatic Acute 1; Aquatic Chronic 1; H301 + H311 + H331, H314, H334, H410</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye Contact**
Flush affected area with copious amounts of water.

**Skin Contact**
Flush affected area with copious amounts of water.

**Inhalation**
No information available

**Ingestion**
Rinse mouth with water, drink large quantities of milk or 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 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.

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Bromo-5-Nitro-1,3-Dioxane</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</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 to slight yellowish/brown solution

**Odor**
- Slight odor

**Odor Threshold**
- No information available

**pH**
- Approx. 7

**Melting Point**
- No information available

**Freezing Point**
- No information available

**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**
- 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: 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: 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 NTP.

12. Ecological Information

Ecotoxicity: No information available

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: No SARA Hazard

Massachusetts right to know components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania right to know components:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Revision Date</th>
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<tbody>
<tr>
<td>5-Bromo-5-Nitro-1,3-Dioxane</td>
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<td>Glycols</td>
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<td>Modified Alkyl Carboxylate</td>
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<td>55965-84-9</td>
<td></td>
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</table>
New Jersey right to know components

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<tr>
<th>CAS-No.</th>
<th>Revision Date:</th>
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</tbody>
</table>

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

Issuing Date 23-January-2012
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.