1. Product and Company Identification

Product Identifier

Product Name: Tip Cleaning Solution
Product Code: RO-1042282D
Recommended Use: To clean the reagent tip.
Synonyms:
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: Corrosive, Skin Irritant, Eye Irritant, Respiratory System

Hazard Statements

H302 + H312 + H332: Harmful if swallowed, Harmful in contact with skin, Harmful if inhaled.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

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.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor/…if you feel unwell.
P302 + P352: IF ON SKIN (or hair): Wash with plenty of water.
P304 + P340: IF INHALED: Remove person to fresh air and keep 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/doctor.
P311: Rinse mouth.
P332 + P313: If skin irritation 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.
P390: Absorb spillage to prevent material damage.
P403 + P233: Store in a well ventilated place. Keep container tightly closed.
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>Methylbenzethonium Chloride</td>
<td>246-675-7</td>
<td>Not available</td>
<td>25155-18-4</td>
<td>&lt; 0.005%</td>
<td>Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H302 + H312 + H332, H315, H318, H335</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult physician. Continue rinsing eyes during transport to hospital.

Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Consult a physician.

Notes to Physician
Treat symptomatically

5. Fire-Fighting Measures

Flammable Properties
Not flammable

Flash Point
No information available

Suitable Extinguishing Media
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous Combustion Products
Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas,

Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further Information
Not data 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
Pickup and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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>Methylbenzethonium Chloride 25155-18-4</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 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 determined
- **Evaporation Rate**: No information available
- **Flammability (solid, gas)**: Not applicable
- **Upper/Lower flammability or explosive limits**: Not applicable
- **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

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable at recommended storage conditions</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Strong oxidizing agents</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Other decomposition products – no data available</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Conditions to avoid:</td>
<td>Most Metals</td>
</tr>
<tr>
<td>Suggested Storage:</td>
<td>Room temperature</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>LD50 Oral – rat – 800 mg/kg; no information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Toxicity</td>
<td>Erosion of dental enamel, bronchitis, eye irritation, darkening of the skin and chronic inflammation of the respiratory tract.</td>
</tr>
<tr>
<td>Target Organ Effects</td>
<td>Inhalation – May cause respiratory irritation.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

### 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  Acute Health Hazard

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

Pennsylvania right to know components

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New Jersey right to know components

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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  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.