COULTER DIAGNOSTICS DIVISION
A Division of Coulter Corporation
740 West 83rd Street
Hialeah, Florida 33014
(305) 822-8250

ENVIRONMENTAL EMERGENCY (National Response Center) #(800) 424-8802

MSDS Part Number : 7585258-B
Effective : 1/27/92
Page: 1
Issued: 1/27/92

SECTION I - PRODUCT IDENTIFICATION

Product Name : ISOVIAL
CAS Number : None
NIOSH/TECS Number: None
Common Synonyms : Diluent and Lytic Reagent System

* Product Part Number(s) :

Coulter Safety Information

[ ] Health (See attached component sheets)

[ ] Flammability

[ ] Reactivity

[ ] Contact

Code
0 = none
1 = slight
2 = caution
3 = severe

Laboratory Protective Equipment for Normal Use : See attached component sheets pages 2 - 9.

Precautionary Label Statements : See attached component sheets pages 2 - 9.

* Used in Product Part Numbers: 7546922 (ISOVIAL II)
7546971 (ISOVIAL, White)
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SECTION I - PRODUCT IDENTIFICATION

Product Name : ISOTON® II Diluent
CAS Number : None
NIOSH/RTECS Number: None
Common Synonyms : Balanced Electrolyte Solution

Coulter Safety Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>none</td>
</tr>
<tr>
<td>1</td>
<td>slight</td>
</tr>
<tr>
<td>2</td>
<td>caution</td>
</tr>
<tr>
<td>3</td>
<td>severe</td>
</tr>
</tbody>
</table>

Laboratory Protective Equipment for Normal Use : Standard laboratory practice, e.g., lab coats and safety glasses.

Precautionary Label Statements : Do not ingest. For In-Vitro Diagnostic Use.
SECTION II - HAZARDOUS COMPONENTS / CHEMICAL NAME

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>None greater than 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Phenoxethanol</td>
<td>0.3</td>
<td>122-99-6</td>
</tr>
<tr>
<td>Sodium Fluoride</td>
<td>0.05</td>
<td>7681-49-4</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>100°C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.0</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>99%</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Color</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>% Volatiles by Volume</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Extinguishing Media</td>
<td>Any</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>None</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>None</td>
</tr>
<tr>
<td>Toxic Gases Produced</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION V - HEALTH HAZARD DATA

Effect of Overexposure: Sodium Fluoride: Severe symptoms from ingestion of less than one (1) gram (2 or more liters of this product). May cause nausea, vomiting, abdominal pain, stupor, weakness, tremors, respiratory and cardiac failure. Death from 5 - 10 grams (12 or more liters of this product).
Emergency and First Aid Procedures: In case of prolonged skin contact, flush with plenty of water. In case of ingestion, give victim appropriate dose of effervescent calcium gluconate (in copious amounts of water or milk). Contact physician.

SECTION VI - REACTIVITY DATA
Stability: Highly
Conditions to Avoid: None
Incompatibility: None
Hazardous Polymerization: N/A
Decomposition Products: Possible chloride scale.

SECTION VII - SPILL AND DISPOSAL PROCEDURES
Steps to be taken in case of a spill or discharge: Flush with water to approved outside drainage. See Disposal Procedure below.
Disposal Procedure: Disposer must comply with Federal, State and Local discharge requirements.
EPA Hazardous Waste Number: None

SECTION VIII - PROTECTIVE EQUIPMENT
Ventilation: None required
Respiratory Protection: None required
Eye/Skin Protection: None required

SECTION IX - STORAGE AND HANDLING PRECAUTIONS
Storage Coding: None
Special Precautions: None