MATERIAL SAFETY DATA SHEET

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS
COULTER DIAGNOSTICS
P.O. BOX 4750
HIALEAH, FL 33014-0750

EMERGENCY PHONE
800-424-8802

COMMON NAME (ON LABEL)
ISOVIAL, RED

TRADE NAME & SYNONYMS
DILUENT REAGENT SYSTEM

CHEMICAL NUMBER:
ITEM NUMBER: 0278406

VENDOR CATLG NBR: 7546970
ENTRY DATE: 01-15-91
CHANGE DATE: 12-12-93

PO NUMBER: UN40314

CHEMICAL FAMILY
NOT GIVEN

CHEMICAL FORMULA
NOT GIVEN

SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>CAS</th>
<th>% (WT)</th>
<th>TLV</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-PHENOXYETHANOL</td>
<td>122-99-6</td>
<td>.30</td>
<td>NOT GIVEN</td>
<td>NOT GIVEN</td>
</tr>
<tr>
<td>SODIUM FLUORIDE</td>
<td>7681-49-4</td>
<td>.03</td>
<td>NOT GIVEN</td>
<td>NOT GIVEN</td>
</tr>
</tbody>
</table>

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION
ISOVIAL, RED CONTAINS THE COMPONENT ISOTON II DILUENT (12.6 ML).
COMMON SYNONYMS: BALANCED ELECTROLYTE SOLUTION.
*2-PHENOXYETHANOL 0.3% (CAS #122-99-6),
* SODIUM FLUORIDE 0.03% (CAS #7681-49-4).

SECTION 3 - PHYSICAL DATA

BOILING POINT
100 DEG. C
N/A

MELTING POINT
N/A

EVAPORATION RATE ( = 1)
N/A

APPEARANCE AND ODOR
CLEAR LIQUID

OTHER PHYSICAL DATA
NO OTHER PHYSICAL DATA GIVEN.

Continued on Reverse Side
SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT
N/A

LOWER EXPLOSIVE LIMIT
NOT GIVEN

UPPER EXPLOSIVE LIMIT
NOT GIVEN

EXTINGUISHING MEDIA
ANY

UNUSUAL FIRE AND EXPLOSION HAZARDS
NONE

SPECIAL FIRE FIGHTING PROCEDURES
NONE

SECTION 5 - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE & CHRONIC)
SEE SIGNS AND SYMPTOMS OF EXPOSURE.

PRIMARY ROUTES OF EXPOSURE
INGESTION.

SIGNS AND SYMPTOMS OF EXPOSURE
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).
### SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

**Medical Conditions Aggravated by Exposure**

None indicated.

**Carcinogenicity**

Indicators not given

<table>
<thead>
<tr>
<th>NTP</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>OSHA</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**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.

**Threshold Limits / Toxicity Data**

None indicated.

### SECTION 6 - REACTIVITY DATA

**Stability**

Unstable □  Stable ☑

**Conditions to Avoid**

None

**Incompatibility (Materials to Avoid)**

None
### SECTION 6 - REACTIVITY DATA (CONTINUED)

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**
Possible chloride scale.

**HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID**
May Occur ☐ Will Not Occur ☐
None

### SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**
Flush with water to approved outside drainage.

**WASTE DISPOSAL METHOD**
Disposer must be comply with federal, state and local discharge requirements.

### SECTION 8 - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION**
None required.

**LOCAL VENTILATION**
None required.

**MECHANICAL VENTILATION**
None required.

**SPECIAL VENTILATION**
None required.
### Section 8 - Special Protection Information (Continued)

**Other Ventilation**

None required.

**Protective Gloves**

None required.

**Eye Protection**

Safety glasses.

**Other Protective Clothing or Equipment**

Lab coats.

### Section 9 - Special Precautions

**Precautions to Be Taken in Handling and Storage**

None required.

### Section 10 - Other Information

**Miscellaneous Info.**

- Health: 2 flammability: 0; Reactivity: 1
- Contact: 
- Normal use: Standard laboratory practice, e.g., lab coats and safety glasses.
- Do not ingest, for in-vitro diagnostic use.
- N/A = Not applicable; N/A = Not available.

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