**MATERIAL SAFETY DATA SHEET**

**MANUFACTURER:** Dade/Baxter Travenol Diagnostics, Inc.  
**ADDRESS:** 600 Memorial Drive, Cambridge, Ma. 02139  
**PHONE:** 617-492-2526 Ext. 290  
**EMERGENCY NO.** TELEX 4430163CA  
**MSDS NO.** 500  
**Date:** September 2, 1986  
**Prepared by:**

### SECTION I. MATERIAL IDENTIFICATION

<table>
<thead>
<tr>
<th>CHEMICAL NAME AND SYNONYMS:</th>
<th>TRADE NAME AND SYNONYMS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thimerosal</td>
<td></td>
</tr>
<tr>
<td>[(O-carboxyphenyl)thiol]</td>
<td></td>
</tr>
<tr>
<td>ethylmercury sodium salt</td>
<td></td>
</tr>
<tr>
<td>FORMULA: C_{6}H_{10}HgO_{2}S</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION II. INGREDIENTS AND HAZARDS

<table>
<thead>
<tr>
<th></th>
<th>%</th>
<th>Hazard Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thimerosal</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>orl-rat</td>
<td>LD50: 75 mg/kg</td>
<td></td>
</tr>
<tr>
<td>scu-rat</td>
<td>LD50: 98 mg/kg</td>
<td></td>
</tr>
<tr>
<td>scu-mus</td>
<td>LD50: 66 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION III. PHYSICAL DATA

- Boiling point at 1 atm, deg F: No data available
- Vapor pressure at (mm Hg): No data available
- Vapor density (Air = 1): No data available
- Water solubility: No data available
- Appearance & Odor: cream colored crystalline powder
- Specific gravity (H₂O = 1): No data available
- Evap. Rate (———): No data available
- Volatiles, % by Volume: Molecular weight: 404.84

### SECTION IV. FIRE AND EXPLOSION DATA

- Flash Point and Method: no data available
- Autoignition Temp: no data available
- Flammability Limits in Air: no data available
- Extinguishing media: Water spray, Carbon Dioxide, Dry Chemical Powder, Alcohol or Polymer Foam.
- Special fire fighting procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and dyes.
- Unusual fire and explosion hazards: Emits toxic fumes under fire conditions.

### SECTION V. HEALTH HAZARD INFORMATION

- TLV: 0.1 mg/M³

**Effects of overexposure:** May be fatal if inhaled, swallowed, or absorbed through skin. Material is irritating to mucous membranes and upper respiratory tract.

**FIRST AID:**
- **Eye contact:** Wash eyes with copious amounts of water for at least 15-20 minutes. Seek medical attention.
- **Skin contact:** Wash with copious amounts of water while removing contaminated clothing and shoes. Seek medical attention.
- **Inhalation:** Remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth, if breathing is difficult give oxygen. Seek medical attention.
- **Ingestion:** No data available for ingestion. However seek immediate medical attention if ingested.
SECTION VI. REACTIVITY DATA

<table>
<thead>
<tr>
<th>Stability</th>
<th>Stable</th>
<th>X</th>
<th>Conditions to avoid: Stable in air but not in sunlight.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid): Strong oxidising agents, strong acids, strong bases, may discolor on exposure to light.

Hazardous decomposition products: toxic fumes of: Carbon Monoxide, Carbon Dioxide, Sulphur oxides, Mercury, Mercury Oxides.

<table>
<thead>
<tr>
<th>Hazardous Polymerization:</th>
<th>May occur</th>
<th>Conditions to avoid: No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Will not occur</td>
<td></td>
</tr>
</tbody>
</table>

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILLS, LEAKS: (Steps to be taken) Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

WASTE DISPOSAL METHOD: Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe all Federal, State and local laws.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory protection (Specify Type): Wear appropriate OSHA/MSHA-approved respirator.

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Local Exhaust</th>
<th>X, Fume Hood</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Protective gloves: chemically resistant gloves

Eye Protection: safety goggles

Other protective equipment and precautions
Avoid prolonged exposure. Wash hands after handling.

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Storage & Handling Information: Store in a cool dry place, light sensitive.

Other Precautions: NOTE: THIS COMPOUND IS CONTAINED IN A KIT REAGENT. OBSERVE STORAGE AND ALL OTHER DIRECTIONS SPECIFIED IN THE PACKAGE INSERT.

DOT Class

Hazard Identity

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Signed
Title

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