FLASH POINT: N/A
FLAMMABLE LIMITS - LEL: N/A
FLAMMABLE LIMITS - UEL: N/A
AUTODESTRUCTION TEMPERATURE: N/A

EXTINGUISHING MEDIA:
Not applicable

SPECIAL FIRE FIGHTING PROCEDURES:
Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
None known.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

RECOMMENDED DISPOSAL:
Small quantities (less than 5 gal. [19 L]) may be discharged to a wastewater treatment system. For larger quantities: Incinerate in an industrial or commercial facility in the presence of a combustible material.

7. PRECAUTIONARY INFORMATION

VOCs: N/A. VDC Less 1.0 & Exempt Solvents: N/A.

If exposed to the skin, wash the exposed area with soap and water. If swallowed, do not induce vomiting. If inhaled, move to fresh air. If necessary, call a physician.

EYE PROTECTION:
Not applicable.

SKIN PROTECTION:
Not applicable.

RECOMMENDED VENTILATION:
Not applicable.

RESPIRATORY PROTECTION:
Avoid prolonged breathing of spray or mists.

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: FT-31, Fenatonium Benzoate Sensitivity Solution
June 21, 1999

5. ENVIRONMENTAL INFORMATION (continued)

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:

EXPOSURE LIMITS
**Material Safety Data Sheet**

**3M Center**

St. Paul, Minnesota

55144-1000

1-800-364-3577 or (651) 737-6551 (24 hours)

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**DIVISION:** OCCUPATIONAL HEALTH & ENVIRONMENTAL SAFETY

**TRADE NAME:**

FT-31, Denatonium Benzoate Fil Test Solution


ISSUANCE: April 09, 1999

DOCUMENT: 07-4219-7

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### 1. INGREDIENT

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>C.A.S. NO.</th>
<th>PERCENT</th>
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<tbody>
<tr>
<td>Water</td>
<td>3732-18-5</td>
<td>80 - 100</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7614-14-5</td>
<td>1 - 7</td>
</tr>
<tr>
<td>Denatonium Benzoate</td>
<td>3734-33-6</td>
<td>0 - 1</td>
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</tbody>
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### 2. PHYSICAL DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>Boiling Point</td>
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<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
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<tr>
<td>Solubility in Water: complete</td>
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</tr>
<tr>
<td>Specific Gravity</td>
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<tr>
<td>Percent Volatility</td>
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<tr>
<td>pH</td>
<td>ca. 6.52</td>
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<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**APPEARANCE AND ODOR:**

Liquid, Clear, colorless solution with a bitter taste. Freezing point = -4 degrees C.

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**ABBREVIATIONS:** N/U - Not Determined

N/A - Not Applicable

CA - Approximately

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