Material Safety Data Sheet

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Number: 7700-35
Product Name: Fit Test Solution
Chemical Name: Denatonium Benzoate (Bitrex)
Manufacturer: North Safety Products
2000 Plainfield Pike
Cranston, RI 02921-2019
Tel: 401-943-4400
Emergency Telephone Number: 800-424-9300

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

Composition:

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number:</th>
<th>Percentage by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denatonium Benzoate</td>
<td>3734-33-6:</td>
<td>0.17 %</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>N/A</td>
<td>4.99 %</td>
</tr>
<tr>
<td>Water</td>
<td>N/A</td>
<td>94.84 %</td>
</tr>
</tbody>
</table>

Exposure Limits:
- ACGIH TLV: None
- OSHA PEL: None
- NIOSH REL: None
- NIOSH IDLH: None

Section 3: HAZARDS IDENTIFICATION

Appearance: Colorless, odorless liquid with bitter taste

Section 4: FIRST AID MEASURES

First aid for Eye Contact: No need for first aid is anticipated
First aid for Skin Contact: No need for first aid is anticipated
First aid for Inhalation: No need for first aid is anticipated
First aid for Ingestion: No need for first aid is anticipated
Section 5: FIRE FIGHTING MEASURES

Will not burn
NFPA Hazard Code: Health 0; Fire: 0; Reactivity 0
Unusual Reaction Hazard: None

Section 6: ACCIDENTAL RELEASE MEASURES

Spill or leak procedures: Adsorb spill and dispose in a closed container. Clean residue with water.

Section 7: HANDLING AND STORAGE

Storage: Store at room temperature.

Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: None needed
Skin Protection: None needed
Respiratory Protection: Avoid prolonged breathing

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Liquid
Color: Colorless
Odor: None
Taste: Bitter
Freezing Point: 25° F (-4° C)
Solubility: 100%
Specific Gravity: 1.05

Section 10: STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibilities: None known
Decomposition Products: None known
Section 11: TOXICOLOGICAL INFORMATION

Human Data: There has been only one report of any toxic effects to man which involved contact urticaria and asthma from Denatonium Benzoate crystals. No reports exist for aqueous solutions.

Section 12: ECOLOGICAL INFORMATION

No data available

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: May be discharged to a wastewater system.  
RCRA Hazard Class: Not Listed

Section 14: TRANSPORT INFORMATION

Non-hazardous for shipping

Section 15: REGULATORY INFORMATION

None known

Section 16: OTHER INFORMATION

Reason for Issue: New product
Prepared by: W. Newcomb
Date: February 19, 2003

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