

HC#62

3M

3M General Offices

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I-352434 C-FT-32

MATERIAL SAFETY
DATA SHEET

3M

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DIVISION: OCCUPATIONAL HEALTH & ENVIRON. SAFETY

TRADE NAME:

FT-32, Denatonium Benzoate Fit Test Solution

ID NUMBER/U.P.C.: 70-0707-0966-5 +H-44446-99750-0 78-8113-5576-3 - - -

ISSUED: JUNE 21, 1999

SUPERSEDES: APRIL 9, 1997

DOCUMENT: 07-6218-7

| 1. INGREDIENT | C.A.S. NO. | PERCENT |
|---------------------------|------------|----------|
| Water | 7732-18-5 | 80 - 100 |
| Sodium Chloride | 7647-14-5 | 3 - 7 |
| Denatonium Benzoate | 3734-33-6 | 0 - 1 |

2. PHYSICAL DATA

BOILING POINT:..... N/A
 VAPOR PRESSURE:..... N/A
 VAPOR DENSITY:..... N/A
 EVAPORATION RATE:..... N/A
 SOLUBILITY IN WATER:..... complete
 SP. GRAVITY:..... 1.034 Water = 1
 PERCENT VOLATILE:..... N/A
 pH:..... ca. 6.52
 VISCOSITY:..... N/A
 MELTING POINT:..... N/A
 APPEARANCE AND ODOR: Liquid, Clear, odorless solution with a bitter taste.
 Freezing point = -4 degrees Centigrade.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
 FLAMMABLE LIMITS - LEL:..... N/A
 FLAMMABLE LIMITS - UEL:..... N/A
 AUTOIGNITION 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

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

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4. REACTIVITY DATA

STABILITY: Stable**INCOMPATIBILITY - MATERIALS TO AVOID:**

None known.

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.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/A.

VOC Less H2O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:**FIRE HAZARD:** No **PRESSURE:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

6. SUGGESTED FIRST AID

EYE CONTACT:

No need for first aid is anticipated.

SKIN CONTACT:

No need for first aid is anticipated.

INHALATION:

No need for first aid is anticipated.

IF SWALLOWED:

No need for first aid is anticipated.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Not applicable.

SKIN PROTECTION:

Not applicable.

VENTILATION PROTECTION:

Not applicable.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at room temperature. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

| INGREDIENTS | EXPOSURE LIMITS | | TYPE | AUTH | SKIN* |
|---------------------------|-----------------|------|------|------|-------|
| | VALUE | UNIT | | | |
| Water | NONE | NONE | NONE | NONE | |
| Sodium Chloride | NONE | NONE | NONE | NONE | |
| Denatonium Benzoate | NONE | NONE | NONE | NONE | |

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- NONE: None Established

B. HEALTH HAZARD DATA

EYE CONTACT:

No adverse health effects are expected from eye contact.

SKIN CONTACT:

No adverse health effects are expected from skin contact.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

No adverse health effects are expected from swallowing.

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B. HEALTH HAZARD DATA (continued)

Denatonium Benzoate is a very bitter chemical used in many consumer products as an aversive agent against child ingestion.

SECTION CHANGE DATES

| | |
|-------------|---|
| INGREDIENTS | SECTION CHANGED SINCE APRIL 9, 1997 ISSUE |
|-------------|---|

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

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