

MATERIAL SAFETY DATA SHEET

Complies with OSHA's 29 CFR
1910.1200 and State Hazard
Communication Standards.

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(D)

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SECTION 1

PRODUCT IDENTITY: F-25, Sanitizer

DATE PREPARED: 8/11/89

EPA Reg. No.: 527-93

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
Health: 2/2 Fire: 2/2 Reactivity: 0/0

Special: NA

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS

| | CAS # | OSHA-PEL | ACGIH-TLV | % BY WT |
|--|------------|-----------|-----------|-------------|
| n-Alkyl dimethyl benzylammonium chlorides - irritant | 68391-01-5 | None Est. | None Est. | 5 |
| n-Alkyl dimethyl ethylbenzyl- ammonium chlorides - irritant | 68956-79-6 | None Est. | None Est. | 5 |
| Ethyl alcohol | 64-17-5 | 1000 ppm | 1000 ppm | less than 2 |

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F

VAPOR PRESSURE: As water

VAPOR DENSITY (air = 1): As water

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 0.993

PERCENT VOLATILE: 90

EVAPORATION RATE: As water

pH: 6.9 - 7.5

APPEARANCE AND ODOR: Light yellow to clear liquid; almond odor

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 160°F (TCC)

FLAMMABLE LIMITS: (for ethyl alcohol)
Lfl 3.3%; Ufl 19.0%

Product is an aqueous solution containing a small amount of ethyl alcohol which does not sustain combustion or present a significant fire hazard.

EXTINGUISHING MEDIA: As for surrounding fire (product will not burn).

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 5: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

MATERIAL SAFETY DATA SHEET: F-25

PAGE 2 OF 2

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE: Eyes: Corrosive; possible severe tissue damage. Skin: possible severe irritation when handling concentrate or if prolonged exposure. Inhalation of mist may cause irritation of nose and throat. Ingestion: nausea, possible mucosal damage, possible toxic effects.

CHRONIC EFFECTS: None known.

MUTAGENICITY: None under OSHA, IARC or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory (if mists inhaled).

EMERGENCY AND FIRST AID PROCEDURES: Eyes and skin: immediately rinse with plenty of water for at least 15 minutes. For eyes, call a physician. Remove contaminated clothing. Inhalation: remove to fresh air. Ingestion: drink several glasses of water or milk. Consult physician.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: SMALL SPILLS: Rinse down drain or wet mop pick-up.

LARGE SPILLS: Dike to prevent runoff, reclaim all possible. Absorb with inert material and place in leak proof containers for disposal. Flush residue away with water.

HAZARDOUS WASTE DISPOSAL METHOD: Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

HANDLING AND STORING: Do not contaminate water, food or feed. Store in a cool, dry area. Do not reuse empty containers. Protect eyes and skin when handling concentrate.

OTHER PRECAUTIONS: Read and follow label directions. Keep out of reach of children.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: None normally required.

VENTILATION: Local exhaust if mist in air causes irritation.

GLOVES: Rubber or plastic.

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT: As needed to protect skin when handling concentrate.

WORK/HYGIENIC PRACTICES: Remove and wash contaminated clothing before reuse.

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