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MATERIAL SAFETY DATA SHEET

REVISION DATE: 05/03/2006 REVISION NUMBER: 7
DATE PRINTED: 03/05/2007 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **F-25, Sanitizer**
PRODUCT CODE: 101850

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

Health: 2/2 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: None/B

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Harmful if swallowed. Possible toxic effects. Nausea. Mucosal damage.
SKIN CONTACT: Prolonged contact can cause skin damage.
INHALATION: May irritate mouth, nose, and throat.
EYE CONTACT: Corrosive to eye tissue and may cause severe damage and blindness.
CHRONIC EFFECTS: None known.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	NA	NA
n-Alkyl dimethyl ethybenzylammonium chlorides- irritant 68956-79-6	5	NA	NA
ETHYL ALCOHOL 64-17-5	< 2	1000 ppm	1000 ppm 1900 mg/m ³

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
INHALATION: Move person to fresh air.
EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None to boiling (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): 3.3
- UPPER (%): 19.0

F-25, Sanitizer

SENSITIVITY TO MECHANICAL IMPACT(Y/N):
SENSITIVITY TO STATIC DISCHARGE:
SUITABLE EXTINGUISHING MEDIA:
FIRE FIGHTING PROCEDURES:

NO
Sensitivity to static discharge is not expected.
Product is mostly water and will not burn.
None.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Mop up all possible. Flush residue with water.

LARGE SPILLS:

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Store in a cool, dry area. Do not reuse container. Keep away from food and feed products.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Goggles. Face shield.

**OTHER PERSONAL PROTECTION
EQUIPMENT:**

Appropriate protective clothing as needed to prevent skin contact.

VENTILATION:

General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear, orange liquid. Mild odor.

BOILING POINT (F):

212

(C) NA

VAPOR PRESSURE:

15.7 mm Hg @ 22.2 C

VAPOR DENSITY (AIR=1):

0.625

SOLUBILITY IN WATER:

NA

SPECIFIC GRAVITY:

0.995 +/- 0.005; 8.28#/gal.

VOC Content (%):

NE

VOV Content (%):

NE

EVAPORATION RATE:

(BuAc=1) : 1.26

PH:

7.5 +/- 1.0

10. STABILITY AND REACTIVITY

STABILITY DATA:

STABLE

POLYMERIZATION:

Will Not Occur.

HAZARDOUS DECOMPOSITION:

Acrylic monomers

**INCOMPATIBILITY (MATERIALS TO
AVOID):**

None known.

CONDITIONS/HAZARDS TO AVOID:

None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
 EFFECTS OF CHRONIC EXPOSURE: NE
 OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
 CHEMICAL FATE INFORMATION: No data at this time.
 MOBILITY: NA
 PERSISTENCE/DEGRADABILITY: NA
 BIOACCUMULATIVE POTENTIAL: NA
 OTHER ADVERSE EFFECTS: NA

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	Listed	Listed	Listed	Not Listed
n-Alkyl dimethyl ethylbenzylammonium chlorides-irritant 68956-79-6	5	Listed	Listed	Listed	Not Listed
ETHYL ALCOHOL 64-17-5	< 2	Listed	Listed	Listed	Developmental

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	Not Listed	Not Listed	Not Listed
n-Alkyl dimethyl ethylbenzylammonium chlorides-irritant 68956-79-6	5	Not Listed	Not Listed	Not Listed
ETHYL ALCOHOL 64-17-5	< 2	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
ETHYL ALCOHOL 64-17-5	< 2	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

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PRODUCT COMPOSITION CAS#	%	MARTK:
ETHYL ALCOHOL 64-17-5	< 2	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
ETHYL ALCOHOL 64-17-5	< 2	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
ETHYL ALCOHOL 64-17-5	< 2	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***