

F-29, Liquid Sanitizer

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): > 200°F (C): > 93°C

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): No data

UPPER (%): No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemicals, Foam.

FIRE FIGHTING PROCEDURES: Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up absorbent material and put in suitable container for proper disposal.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DANGER: Corrosive liquid and vapors. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area.

Store in a well ventilated area. Keep from freezing. Do not contaminate water, food, or feed. Wash thoroughly after handling.

OTHER PRECAUTIONS: Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: None normally required. NIOSH approved respirator if spray mist in air causes irritation.

PROTECTIVE GLOVES: Chemical resistant gloves are recommended to minimize skin contact.

EYE PROTECTION: Safety glasses are recommended to minimize eye contact.

OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, orange liquid. Mild odor.	
BOILING POINT (F):	212°F	(C) 100° C
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	COMPLETE	
SPECIFIC GRAVITY:	0.99	
VOC Content (%):	1.51% (15 g/L)	
EVAPORATION RATE:	Not determined	
PH:	6.0 - 9.0	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Monoxide. Carbon Dioxide. Hydrogen chloride gas.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidents, such as nitric acid, or hypochlorites. Reducing agents.
CONDITIONS/HAZARDS TO AVOID:	Keep away from heat, sparks and flame. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Acute oral LD50: 1850 mg/kg for male and female rats combined. Dermal: LD50/rat: > 2000 mg/kg
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	Dispose in accordance with Federal, State and Local regulations. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.
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14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Didecyl dimethyl ammonium chloride 7173-51-5	1.5	Listed	Listed	Listed	Not Listed
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.0	Not Listed	Listed	Not Listed	Not Listed
Diocetyl dimethyl ammonium chloride 5538-94-3	1.5	Not Listed	Listed	Not Listed	Not Listed
Quaternary ammonium compounds 68424-85-1	4.0	Listed	Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Didecyl dimethyl ammonium chloride 7173-51-5	1.5	Not Listed	Not Listed	Not Listed
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.0	Not Listed	Not Listed	Not Listed
Diocetyl dimethyl ammonium chloride 5538-94-3	1.5	Not Listed	Not Listed	Not Listed
Quaternary ammonium compounds 68424-85-1	4.0	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

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 ***