

MATERIAL SAFETY DATA SHEET

REVISION DATE: 07/02/2012

DATE PRINTED:

07/02/2012

REVISION NUMBER:

PREPARED BY:

EH&S DEPARTMENT

CHEMICAL PRODUCT

PRODUCT NAME:

F-29, Liquid Sanitizer

PRODUCT CODE:

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

Health:

3/3

0/0

Reactivity:

0/0

Special/Protective Equipment:

CORR/C

NAME OF THE

MANUFACTURER:

Rochester Midland Corporation

155 Paragon Drive

Rochester, New York 14624

Information: 585-336-2200

Emergency Phone:

INFOTRAC: 1-800-535-5053 OUTSIDE US: 1-352-323-3500

HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

SKIN CONTACT:

Large amounts may cause irritation, nausea, diarrhea.

Corrosive; Causes burns. May cause skin defatting with prolonged exposure.

INHALATION: Inhalation of vapors or mists may cause nose and respiratory irritation, sore throat, and coughing. May cause Central Nervous System effects.

EYE CONTACT:

Causes eye burns. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS:

EFFECTS/CARCINOGENICITY:

ROUTES OF ENTRY:

None known.

None listed under OSHA, IARC, or NTP.

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Didecyl dimethyl ammonium chloride 7173-51-5	1.5	Not applicable	Not applicable
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.0	Not applicable	Not applicable
Dioctyl dimethyl ammonium chloride 5538-94-3	1.5	Not applicable	Not applicable
Quaternary ammonium compounds 68424-85-1	4.0	Not applicable	Not applicable

FIRST AID MEASURES

INGESTION:

DO NOT INDUCE VOMITING. Drink promptly a large quantity of water, egg white, or gelatin solution. Get immediate medical attention. Never give anything by mouth to an unconcious

SKIN:

Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.

Get medical attention if irritation or burns develop.

INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-

mouth. If breathing is difficult give oxygen. Get medical attention.

F-29, Liquid Sanitizer

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.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

(F): > 200°F (C): > 93°C

METHOD:

TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): UPPER (%):

No data No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

SENSITIVITY TO STATIC DISCHARGE: SUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROCEDURES:

NO

Sensitivity to static discharge is not expected.

Carbon Dioxide, Dry Chemicals, Foam.

Corrosive material. Avoid exposure to mist and splashes. Firefighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed

containers with water spray.

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:

ENVIRONMENTAL PRECAUTIONS:

Not applicable Not applicable

METHODS FOR CLEANING UP:

Not applicable

-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

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:

RESPIRATORY PROTECTION:

PROTECTIVE GLOVES: EYE PROTECTION:

OTHER PERSONAL PROTECTION

EQUIPMENT:

Use in a well ventilated area.

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

Chemical resistant gloves are recommended to minimize skin contact.

Safety glasses are recommended to minimize eve contact.

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.

F-29, Liquid Sanitizer

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear, orange liquid. Mild odor.

BOILING POINT (F):

212°F

(C) 100° C

VAPOR PRESSURE: VAPOR DENSITY (AIR=1): Not determined Not determined COMPLETE

SOLUBILITY IN WATER: SPECIFIC GRAVITY:

0.99

VOC Content (%): **EVAPORATION RATE:** 1.51% (15 g/L) 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

Strong oxidents, such as nitric acid, or hypochlorites. Reducing agents.

AVOID):

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

No data at this time

INFORMATION:

CHEMICAL FATE INFORMATION:

No data at this time. Not applicable.

MOBILITY:

Not applicable

PERSISTENCE/DEGRADABILITY:

Not applicable

BIOACCUMULATIVE POTENTIAL: 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.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

F-29, Liquid Sanitizer

PRODUCT COMPOSITION	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
CAS#	/0	ISCA.	LINECS.	Callada DSL.	CA FROF 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
Dioctyl 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
Dioctyl 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 ***