



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/17/2013
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REVISION NUMBER: 10
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **ACIDIQUAT, Liquid Acid Cleaner and Sanitizer**
PRODUCT CODE: 118280

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

Health: 3/3 Fire: 1/1
Reactivity: 0/0 Special/Protective Equipment: Acid/D

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes irritation of the stomach and intestines, resulting in nausea and/or vomiting.
SKIN CONTACT: Causes skin burns which may not be immediately painful or visible. May cause severe skin irritation. May cause skin defatting with prolonged exposure. May be fatal if absorbed through the skin.
INHALATION: Inhalation of spray mist may be irritating. May cause Central Nervous System effects. High vapor concentrations may cause headaches, drowsiness, irritation of throat and eyes, and kidney effects. May be fatal if inhaled.
EYE CONTACT: Causes severe eye burns. May cause permanent eye damage. May cause blindness.
CHRONIC EFFECTS: Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.
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
Quaternary ammonium compounds 68424-85-1	4.1	Not applicable	Not applicable
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.075	Not applicable	Not applicable
Dioctyl dimethyl ammonium chloride 5538-94-3	< 2	Not applicable	Not applicable
ETHANOL 64-17-5	1.28	1000 ppm	1000 ppm 1900 mg/m ³
Phosphoric acid 7664-38-2	30	1 mg/m ³	1 mg/m ³
Didecyl dimethyl ammonium chloride 7173-51-5	< 2	Not applicable	Not applicable

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.

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4. FIRST AID MEASURES

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.
EYES:	Remove contact lenses. 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): > 93.3° C
METHOD:	COC
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:	Water fog, carbon dioxide, foam, dry chemical. As for surrounding fire.
FIRE FIGHTING PROCEDURES:	Cool exposed containers with water spray. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Avoid exposure to mist and splashes. Corrosive material.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Pick up with absorbant material. Flush residue with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water. Keep out of drains, sewers, streams, or other bodies of water.

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: Concentrated acidic liquid. 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. Mix only with water.
OTHER PRECAUTIONS:	Do not reuse container. Read and follow label instructions. Keep out of reach of children.
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. Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.
PROTECTIVE GLOVES:	Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.
EYE PROTECTION:	Goggles and face shield are recommended to minimize eye contact.

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OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. 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: Not normally required. General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Corrosion resistant equipment recommended. When cleaning aluminum or galvanized surfaces, use explosion proof equipment to remove any hydrogen gas.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, Orange Red, Liquid.	
BOILING POINT (F):	210° F	(C) 98.9° C
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.16 - 1.18	
BULK DENSITY:	9.75 lbs/gal	
VOC Content (%):	< 1.5% (EPA Method 24)	
EVAPORATION RATE:	less than water	
PH:	< 1	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Monoxide, Carbon Dioxide, Oxides of Phosphorus, Toxic fumes.
INCOMPATIBILITY (MATERIALS TO AVOID):	Oxidizing material can cause reaction. Reducing agents.
CONDITIONS/HAZARDS TO AVOID:	Keep away from heat, sparks and flame. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
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.

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:
Quaternary ammonium compounds 68424-85-1	4.1	Listed	Listed	Listed	Not Listed
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.075	Listed	Listed	Listed	Not Listed
Dioctyl dimethyl ammonium chloride 5538-94-3	< 2	Listed	Listed	Listed	Not Listed
ETHANOL 64-17-5	1.28	Listed	Listed	Listed	Developmental
Phosphoric acid 7664-38-2	30	Listed	Listed	Listed	Not Listed
Didecyl dimethyl ammonium chloride 7173-51-5	< 2	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Quaternary ammonium compounds 68424-85-1	4.1	Not Listed	Not Listed	Not Listed
Octyl decyl dimethyl ammonium chloride 32426-11-2	3.075	Not Listed	Not Listed	Not Listed
Dioctyl dimethyl ammonium chloride 5538-94-3	< 2	Not Listed	Not Listed	Not Listed
ETHANOL 64-17-5	1.28	Not Listed	Not Listed	Not Listed
Phosphoric acid 7664-38-2	30	2270 kg 5000 lb	Not Listed	Not Listed
Didecyl dimethyl ammonium chloride 7173-51-5	< 2	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Phosphoric acid 7664-38-2	30	Listed

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

PRODUCT COMPOSITION CAS#	%	MARTK:
ETHANOL 64-17-5	1.28	Listed
Phosphoric acid 7664-38-2	30	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:
ETHANOL 64-17-5	1.28	Listed
Phosphoric acid 7664-38-2	30	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:
ETHANOL 64-17-5	1.28	Listed
Phosphoric acid 7664-38-2	30	Listed

16. OTHER INFORMATION

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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 *****