

MATERIAL SAFETY DATA SHEET

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Rochester NY 14621
Information: 585-336-2200

Emergency Phone:
INFOTRAC: 1-800-535-5053
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PRODUCT NAME: ACIDIQUAT**REVISION DATE:****REVISION NUMBER:****DATE PRINTED:**

12/20/2002

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT**MSDS FORM NUMBER:** 5136**NFPA/HMIS HAZARD CODES** (minimal=0; slight=1; moderate=2; serious=3; severe=4)

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

2. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Components**

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT	SARA 313 Reportable
Phosphoric acid 7664-38-2	< 45	1	mg./M3	1	mg./M3	No
Alkyl dimethyl benzyl ammonium chloride 63449-41-2	< 5	NA	NA	NA	NA	No
Octyl decyl dimethyl ammonium chloride 32426-11-2	< 4	NA	NA	NA	NA	No
Diocetyl dimethyl ammonium chloride 5538-94-3	< 2	NA	NA	NA	NA	No
Didecyl dimethyl ammonium chloride 7173-51-5	< 2	NA	NA	NA	NA	No

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 210 F (C) NA
VAPOR PRESSURE: As water
VAPOR DENSITY (AIR=1): As water
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.16 - 1.18
VOC Content (%): 0.99% (EPA Method 24)

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VOV Content (%): NE
EVAPORATION RATE: less than water
PH: NE
APPEARANCE AND ODOR: Clear. Orange Red. Liquid.

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None to boiling (C): NA
METHOD: None
FLAMMABLE LIMITS IN AIR - LOWER (%): NA
FLAMMABLE LIMITS IN AIR - UPPER (%): NA
EXTINGUISHING MEDIA: Product will not burn. 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.

5. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Nitrogen. Oxides of Phosphorus. Carbon Monoxide. Smoke. Soot. If evaporated to dryness, as in a fire, may release:
INCOMPATIBILITY (MATERIALS TO AVOID): Peroxides. Chlorine containing materials. Alkalines. Do not mix with: Reducing agents. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
CONDITIONS/HAZARDS TO AVOID: None.

6. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

Severe burns to mucous membranes of mouth, throat and digestive tract.

SKIN CONTACT:

Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION:

Inhalation of spray mist may be irritating. Possible damage to mucous membranes of nose and throat.

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EYE CONTACT:

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

CHRONIC EFFECTS:

Dermatitis. Possible respiratory damage from inhalation of dust or mist.

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.

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

NOTES TO PHYSICIAN: None.

7. HANDLING AND STORAGE

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.

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved acid respirator with dust/mist filter if spray mist in air exceeds exposure limits.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Goggles. Face shield.

OTHER PERSONAL PROTECTION

Rubber boots. Appropriate protective clothing as needed to

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EQUIPMENT:

prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. Eyewash fountains and safety showers must be easily accessible.

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.

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. 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 *****