

MSDS GHS Safety Data Sheet

Wechem, Inc.



Quat - X

MSDS Number: D450A

Revision Date: 8/18/11

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: Quat - X
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2 HAZARDS IDENTIFICATION

Route of Entry: Ingestion, skin, eyes
Target Organs: Respiratory system, skin, eyes, CNS, liver; blood, reproductive system
Inhalation: No adverse reaction expected.
Skin: May cause moderate to severe irritation.
Eye: Danger : Corrosive. May be corrosive to to the eyes.
Ingestion: May be harmful if swallowed.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

| Cas # | Chemical Name | Perc. | OSHA PEL (ppm) | ACGIH TLV(ppm) | Carcin. Ref. |
|----------|--|-------|----------------|----------------|--------------|
| 68424851 | Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) | <10 | NA | NA | D |
| 68424953 | Di-(C8-10)-Alkyl Dimethyl Ammonium Chlorides | <10 | NA | NA | D |
| 5538943 | Dioctyldimethyl Ammonium Chloride | <10 | NA | NA | D |
| 7173515 | Didecyl Dimethyl Ammonium Chloride | <10 | NA | NA | D |

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FIRST AID MEASURES

| | |
|----------------------|--|
| Inhalation: | Remove to fresh air. Resuscitate if necessary. Seek medical attention. |
| Skin Contact: | Wash with soap and water. If irritated, seek medical attention. |
| Eye Contact: | Flush with water for 15 minutes. If irritated, seek medical attention. |
| Ingestion: | Do not induce vomiting. Get immediate medical attention. |

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FIRE FIGHTING MEASURES

| | |
|----------------------------|------------|
| Flammability: | ND |
| Flash Point: | >201 Deg F |
| Flash Point Method: | PMCC |
| Burning Rate: | ND |
| Autoignition Temp: | ND |
| LEL: | ND |
| UEL: | ND |

Extinguishing media: Foam, dry chemical, carbon dioxide, water

Special Fire fighting procedures: Wear protective gear and NIOSH- approved self- contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode

Unusual Fire & Explosion Hazards: NA

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6 ACCIDENTAL RELEASE MEASURES

Contain spill. Absorb with suitable medium. Ventilate closed spaces before entering. Wear appropriate personal protective equipment during cleanup.

Small spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use non-sparking tools to collect absorbed material.

Large Spills: Dike ahead of liquid spill for later disposal

7 HANDLING AND STORAGE

- Handling Precautions:** Do not reuse empty container. Triple rinse (or equivalent) container before disposal. Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash hands before eating, drinking or smoking, or using toilet facilities.
- Storage Requirements:** DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Keep container tightly closed and in a cool, well-ventilated area. Avoid freezing or excessive heat. Do not reuse empty container. Triple rinse (or equivalent) container before disposal. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Ventilation Requirement: Local exhaust to maintain exposure below exposure limits.
- Personal Protective Equip:** HMIS PP, X | Consult your supervisor for special instructions
HMIS PP, B | Goggles, Gloves
Respiratory Protection: None needed. Otherwise, use a NIOSH-approved respirator.
Protective gloves: Rubber/impervious
Eye protection: Safety glasses/Chemical goggles with face shield

Hygienic work practices: Wash with soap and water before handling food.

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-------------------------------|------------------------------|------------------------------|----------------|
| Appearance: | Clear liquid | Odor: | Characteristic |
| Physical State: | Liquid | Molecular Formula: | NA |
| Particle Size: | NA | Solubility: | Complete |
| Spec Grav./Density: | (H2O=1): 1.019 +/- 0.1 | Softening Point: | NA |
| Viscosity: | NA | Percent Volatile: | NA |
| Sat. Vap. Concentrat.: | NA | Heat Value: | NA |
| Boiling Point: | >200 Deg. F (>93.3 Deg. C) | Freezing/Melting Pt.: | NA |
| Vapor Pressure: | ND | Octanol: | NA |
| pH: | 7.3 +/- 1 | Vapor Density: | (Air=1): > 1 |
| Evap. Rate: | Est. Slower than Ethyl Ether | VOC: | NA |
| Molecular weight: | NA | Bulk Density: | NA |

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10 STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Contact with strong oxidizing agents
Materials to Avoid: Strong oxidizing agents, anionic compounds
Hazardous Decomposition: Oxides of nitrogen and ammonia
Hazardous Polymerization: Will not occur

11 TOXICOLOGICAL INFORMATION

Didecyl Dimethyl Ammonium Chloride 7173-51-5
NIOSH-selected LD50s and LC50s Oral LD50 Rat: 84 mg/kg
Oral LD50 Mouse: 268 mg/kg

Ethanol 64-17-5
NIOSH-Selected LD50s and LC50s Inhalation LC50 Rat: 20000 ppm/10H
Inhalation LC50 Mouse: 39 gm/m³/4H
Oral LD50 Rat: 7060 mg./kg
Oral LD50 Mouse: 3450 mg/kg

12 ECOLOGICAL INFORMATION

Toxic to fish
This product is biodegradable.

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: Disinfectants, NOI

15 REGULATORY INFORMATION

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OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined