

# MSDS *Material Safety Data Sheet*

**Wechem Inc.**



Quat - X

MSDS Number: D4504C

Revision Date: 11/22/06

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## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

Wechem, Inc  
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**Product Name:** Quat - X  
**Revision Date:** 11/22/06  
**MSDS Number:** D4504C  
**Product Code:** D4504

## 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 Contact:** May cause moderate to severe irritation.  
**Eye Contact:** Danger : Corrosive. May be corrosive to to the eyes.  
**Ingestion:** May be harmful if swallowed.

HMIS II-ratings (scale 0-4): Health = 3, Fire = 1, Reactivity = 0  
HMIS III-ratings (scale 0-4): Health = 3, Fire = 1, Physical Hazard = 0  
NFPA-ratings (scale 0-4): Health = 3, Fire = 1, Reactivity = 0



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### 3 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

### 4 FIRST AID MEASURES

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

### 5 FIRE FIGHTING MEASURES

<b>Flash Point:</b>	>201 Deg F
<b>Flash Point Method:</b>	PMCC
<b>Burning Rate:</b>	ND
<b>Autoignition Temperature:</b>	ND
<b>LEL:</b>	ND
<b>UEL:</b>	ND
<b>Flammability Classification:</b>	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.
- Protective Equipment:** 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
- Exposure Guidelines/Other:** Hygienic work practices: Wash with soap and water before handling food.



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### 9 PHYSICAL AND CHEMICAL PROPERTIES

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

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Contact with strong oxidizing agents
<b>Materials to avoid (incompatibility):</b>	Strong oxidizing agents, anionic compounds
<b>Hazardous Decomposition products:</b>	Oxides of nitrogen and ammonia
<b>Hazardous Polymerization:</b>	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/m <sup>3</sup> /4H Oral LD50 Rat: 7060 mg./kg Oral LD50 Mouse: 3450 mg/kg

### 12 ECOLOGICAL INFORMATION

Toxic to fish  
This product is biodegradable.



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## 13 DISPOSAL CONSIDERATIONS

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

## 14 TRANSPORT INFORMATION

Proper Shipping Name: Disinfectants, NOI

## 15 REGULATORY INFORMATION

## 16 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

END OF MSDS DOCUMENT