

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 1 of 6

<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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### Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

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**Web:** www.wechem.com

**Product Name:** Quat-X  
**Revision Date:** 9/15/2014  
**MSDS Number:** D450B  
**Product Code:** D450  
**EPA Number:** 1839-167-34370  
**Product Use:** Cleaner / Detergent / Virucide / Fungicide / Mildewstat

Emergency Telephone Number:  
INFOTRAC  
1-800-535-5053

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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**Route of Entry:** Ingestion, skin, eyes, inhalation  
**Target Organs:** NA  
**Inhalation:** May cause respiratory irritation.  
**Skin Contact:** Danger: Corrosive. May cause skin irritation and burns. May be fatal if absorbed through the skin.  
**Eye Contact:** Danger : Corrosive. Causes irreversible eye damage.  
**Ingestion:** May be harmful if swallowed.

PERSONAL PROTECTION INDEX																							
<b>A</b>												<b>G</b>											
<b>B</b>												<b>H</b>											
<b>C</b>												<b>I</b>											
<b>D</b>												<b>J</b>											
<b>E</b>												<b>K</b>											
<b>F</b>												<b>X</b>	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
<b>A</b>		<b>n</b>		<b>O</b>		<b>P</b>		<b>q</b>		<b>r</b>		<b>S</b>											
<b>t</b>		<b>U</b>		<b>w</b>		<b>Y</b>		<b>Z</b>		Additional Information													

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 2 of 6

GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Liquids, 4  
Health, Acute toxicity, 4 Oral  
Health, Acute toxicity, 5 Dermal  
Health, Skin corrosion/irritation, 1 A  
Health, Specific target organ toxicity - Single exposure, 3  
Environmental, Hazards to the aquatic environment - Acute, 2

GHS Phrases:

H227 - Combustible liquid  
H302 - Harmful if swallowed  
H313 - May be harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H335 - May cause respiratory irritation  
H401 - Toxic to aquatic life

GHS Precautionary Statements:

P102 - Keep out of reach of children.  
P233 - Keep container tightly closed.  
P262 - Do not get in eyes, on skin, or on clothing.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
P403+233 - Store in a well ventilated place. Keep container tightly closed.

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 3 of 6

3

### COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	8.680%	NA	NA	D
68424-95-3	Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	6.510%	NA	NA	D
7173-51-5	1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	3.225%	NA	NA	D
5538-94-3	1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	3.225%	NA	NA	D

4

### FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
<b>Skin Contact:</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get immediate medical advice/attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

5

### FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-Flammable
<b>Flash Point:</b>	>201 Deg F (>93.9 Deg C)
<b>Flash Point Method:</b>	PMCC

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

Special fire fighting procedures: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA) with a full face piece operated in positive pressure mode.

Unusual Fire & Explosion Hazards: None

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 4 of 6

6

### ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes.

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation.

7

### HANDLING AND STORAGE

#### Handling Precautions:

Corrosive. Combustible. Keep away from sources of ignition.- No smoking. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

Do not reuse or refill empty container. Triple rinse (or equivalent) container before disposal.

Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### Storage Requirements:

Corrosive. Combustible. Keep away from sources of ignition.- No smoking. Store in a cool dry place no lower in temperature than 50°F or higher than 120°F. Store in a tightly closed container in an area inaccessible to children.

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

Avoid freezing.

8

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended 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 in poorly ventilated areas or when permissible exposure limits may be exceeded..

Protective gloves: Rubber/impervious

Eye protection: Safety glasses/Chemical goggles with face shield

Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 5 of 6

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear , colorless	<b>Odor:</b>	Characteristic
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Complete
<b>Spec Grav./Density:</b>	(H2O=1): 1.02 +/- 0.1	<b>Flash Point:</b>	>201 Deg F (>93.9 Deg C)
<b>Boiling Point:</b>	200 Deg. F (93.3 Deg. C)	<b>Vapor Density:</b>	(Air=1): >1
<b>Flammability:</b>	Combustible		
<b>pH:</b>	7+/- 1		
<b>Evap. Rate:</b>	Slower than Ethyl Ether (estimated)		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable. No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Contact with strong oxidizing agents
<b>Materials to Avoid:</b>	Strong oxidizing agents, anionic compounds
<b>Hazardous Decomposition:</b>	Oxides of nitrogen and ammonia
<b>Hazardous Polymerization:</b>	Will not occur

### 11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

Quaternary ammonium compounds,benzyl-c12-16-alkyldimethyl, (68424-85-1)  
chlorides

Oral LD50 426 mg/kg (Rat)

Oral LD50 919 mg/kg (Mouse)

1-Decanaminium,N-decyl-N,N-dimethyl-,chloride (7173-51-5)

Oral LD50 84 mg/kg (Rat)

Oral LD50 268 mg/kg (Mouse)

This product is not classified as a carcinogen or a mutagen.

### 12 ECOLOGICAL INFORMATION

Product is toxic to fish and may cause long-term adverse effects in the aquatic environment in containers greater than 1 gallon.

This product is biodegradable.

## Quat-X

MSDS Number: D450B

Revision Date: 9/15/2014

Page 6 of 6

13

### DISPOSAL CONSIDERATIONS

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.

14

### TRANSPORT INFORMATION

Proper Shipping Name: Disinfectants, NOI

15

### REGULATORY INFORMATION

#### COMPONENT / (CAS/PERC) / CODES

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\*Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424851 8.680%) TSCA

\*Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424953 6.510%) TSCA

\*1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (7173515 3.225%) TSCA

\*1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538943 3.225%) TSCA

#### REGULATORY KEY DESCRIPTIONS

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TSCA = Toxic Substances Control Act

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