



Solution QA Ultra Sanitizer

Version Number: 1

Preparation date: 2005-08-31

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Solution QA Ultra Sanitizer
MSDS #: F-00521.001
Product code: 3177670
Recommended use: Sanitizer.

Manufacturer, importer, supplier:
Auto Chlor Systems
746 Poplar Ave.
Memphis, TN 38105

Emergency telephone number:
800-851-7145

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.

Principle routes of exposure:
• Skin contact
• Eye contact
• Inhalation
• Ingestion

Skin contact: Corrosive. May cause permanent damage.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: May cause burns to mouth, throat and stomach .

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Table with 3 columns: Ingredient, CAS #, Weight %. Rows include N-alkyl dimethyl benzyl ammonium chlorides, N-alkyl dimethyl ethylbenzyl ammonium chlorides, and Ethyl alcohol.

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Skin contact: Take off contaminated clothing . Flush immediately with plenty of water for at least 15 minutes.
Inhalation: If breathing is affected, remove to fresh air.
Ingestion: Call medical attendant, doctor, or poison control center immediately.
Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage .
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects .

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** The product is not flammable. Dry chemical, water spray, foam, carbon dioxide.  
**Specific hazards:** None known.  
**Unusual hazards:** Corrosive material (See sections 8 and 10).  
**Flash point:** >200 (°F) >93.3 (°C)

**Specific methods:**

No special methods required

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:**

None.

<b>NFPA</b>	<b>Health:</b>	3	<b>Flammability:</b>	0	<b>Instability:</b>	0
<b>HMIS</b>	<b>Health</b>	3	<b>Fire Hazard</b>	0	<b>Reactivity</b>	0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Do not taste or swallow. Avoid breathing vapors or mists. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue.  
**Storage:** Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing . Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

General room ventilation is adequate. Respiratory protection is not required if good ventilation is maintained .

**Personal Protective Equipment**

**Eye protection:** Chemical splash goggles.  
**Hand protection:** Chemical resistant gloves. rubber gloves. neoprene gloves.  
**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** No special requirements under normal use conditions  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice



Ingredient	ACGIH	OSHA	Mexico
Ethyl alcohol - 64-17-5	1000 ppm (TWA)	1900 mg/m <sup>3</sup> 1000 ppm	1900 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Aqueous solution
<b>Color:</b>	Pink	<b>Odor:</b>	Characteristic
<b>Specific gravity:</b>	8.30 lb/gal	<b>pH:</b>	7.80
<b>Dilution pH:</b>	No information available	<b>Density:</b>	0.998 g/ml
<b>Bulk density:</b>	No information available	<b>Vapor density:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	Soluble
<b>Viscosity:</b>	No information available		
<b>VOC:</b>			0.6% by wt.
<b>Solubility in other solvents:</b>			No information available
<b>Partition coefficient (n-octanol/water):</b>			No information available
<b>Boiling point/range:</b>			Not determined
<b>Melting point/range:</b>			Not determined
<b>Decomposition temperature:</b>			Not determined
<b>Autoignition temperature:</b>			No information available
<b>Flash point:</b>			>200 (°F) >93.3 (°C)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	The product is stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur
<b>Materials to avoid:</b>	Strong acids.
<b>Conditions to avoid:</b>	Do not freeze.
<b>Hazardous decomposition products:</b>	None reasonably foreseeable

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Corrosive .

### Component Information: HAZARDOUS COMPONENTS

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	7060 mg/kg (rat)	Not available	20 g/kg/10H (rat)

**Chronic toxicity:** None known

### Specific effects

<b>Carcinogenic effects:</b>	None known
<b>Mutagenic effects:</b>	None known
<b>Reproductive toxicity:</b>	None known
<b>Target organ effects:</b>	None known

### HAZARDOUS COMPONENTS

Ingredient	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5	Listed.		

## 12. ECOLOGICAL INFORMATION

### Environmental Information:

When used for its intended purpose this product should not cause adverse effects in the environment

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes .

<b>14. TRANSPORT INFORMATION</b>
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**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Philippines (PICCS), China (IECSC).

**U.S. Regulations**

**EPA Reg. No. :** 1839-86-6342

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

**STATE RIGHT TO KNOW**

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Ethyl alcohol	64-17-5	Listed	Listed	Listed	Listed	Listed	Listed
N-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	-	-	-	-	-	-
N-alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	-	-	-	-	-	-

**CERCLA / SARA**

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Ethyl alcohol	64-17-5	0.1 - 1.0%	100		

**CAA HAP/CAA ODS/CWA Priority Pollutants:** None

**Canada**

**WHMIS hazard class:** Non-controlled.

<b>16. OTHER INFORMATION</b>
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**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

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**End of Safety Data Sheet**