



MATERIAL SAFETY DATA SHEET

Solution QA Ultra Sanitizer (Auto-Chlor)

Version Number: 1

Preparation date: 2005-08-31

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Solution QA Ultra Sanitizer (Auto-Chlor)

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

Ingredient	CAS #	Weight %
N-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	3.0 - 7.0%
N-alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	3.0 - 7.0%
Ethyl alcohol	64-17-5	0.1 - 1.0%

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

Skin contact: Take off contaminated clothing . Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

Ingestion: Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor .

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.

NFPA	Health:	3	Flammability:	0	Instability:	0
HMIS	Health	3	Fire Hazard	0	Reactivity	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: FOR COMMERCIAL AND INDUSTRIAL USE ONLY
 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 ³ 1000 ppm	1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerisation does not occur
Materials to avoid:	Strong acids.
Conditions to avoid:	Do not freeze.
Hazardous decomposition products:	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

Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	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 .

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), 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.

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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End of Safety Data Sheet