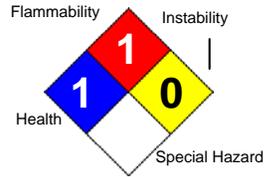


# MATERIAL SAFETY DATA SHEET

## Hard Surface Sanitizer (Ultra Concentrate)

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Printed: 05/20/2015  
Revision: 05/20/2015  
Supersedes Revision: 02/27/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** SA32: SA86  
**Product Name:** Hard Surface Sanitizer (Ultra Concentrate)  
**Manufacturer Information**  
**Company Name:** Custom Chemical Solutions LLC  
167 Commerce Boulevard  
Loveland, OH 45140  
**Emergency Contact:** Chemtrec (800)424-9300  
**Preparer Name:** Custom Chemical Solutions (800)291-1057  
**Intended Use:** Sanitizer  
**Part Number:** AMESA32 CCSSA32 AMESA86 AMESA32C AMESA86C  
**Revision Date:** 02/27/2013

### 2. HAZARDS IDENTIFICATION

**Emergency Overview:** Warning! Causes skin and eye irritation. May cause respiratory tract irritation. Harmful if swallowed. Target Organs: Eyes, skin, mucous membranes.

**Potential Health Effects (Acute and Chronic):**  
Eyes: Causes eye irritation.  
Skin: Causes skin irritation.  
Ingestion: Harmful if swallowed.  
Inhalation: May cause respiratory tract irritation.  
Chronic: None known.

**LD 50 / LC 50:** Refer to Section 11.

**Signs and Symptoms Of Exposure:** Irritation.

**Medical Conditions Generally Aggravated By Exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Quaternary ammonium compounds, benzyl C12-16-alkyldimethyl, chlorides	68424-85-1	1.0 -3.0 %
2. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	1.0 -5.0 %
3. Ethanol	64-17-5	0.1 -1.0 %

## 4. FIRST AID MEASURES

### Emergency and First Aid Procedures:

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Immediately flush area with plenty of cool water. Wash skin with soap and water. Get medical aid if irritation develops and persists.

Ingestion: Do NOT induce vomiting. If fully conscious, rinse mouth out with water and drink 2 glasses. Get medical aid immediately.

Inhalation: Remove to fresh air. Get medical aid if irritation develops and persists.

## 5. FIRE FIGHTING MEASURES

- Flash Pt:** > 200.00 F (93.3 C) Method Used: Estimate
- Explosive Limits:** LEL: N.D. UEL: N.D.
- Autoignition Pt:** NA
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** Not flammable by WHMIS/OSHA criteria.
- Hazardous Combustion Products:** Carbon dioxide. Carbon monoxide. Nitrogen oxides.
- Suitable Extinguishing Media:** Dry chemical or foam. Water fog.
- Unsuitable Extinguishing Media:** None known.

## 6. ACCIDENTAL RELEASE MEASURES

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Keep unauthorized personnel away. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## 7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling.
- Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. Store at temperatures not exceeding 50 C (122F).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Quaternary ammonium compounds, benzyl C12-16-alkyldimethyl, chlorides	68424-85-1	No data.	No data.	No data.
2. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	No data.	No data.	No data.
3. Ethanol	64-17-5	1000 ppm	1000 ppm	No data.

**Respiratory Equipment (Specify Type):** Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

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**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Work/Hygienic/Maintenance Practices:** General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Melting Point:** NA

**Boiling Point:** NA

**Decomposition Temperature:** NA

**Autoignition Pt:** NA

**Flash Pt:** > 200.00 F (93.3 C) Method Used: Estimate

**Specific Gravity (Water = 1):** 0.96 - 1

**Density:** 59.9 - 62.4 LB/CF

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Evaporation Rate:** NA

**Solubility in Water:** Soluble

**Percent Volatile:** NA

**Saturated Vapor Concentration:** NA

**Viscosity:** < 50 mPa-s at 77.0 F (25.0 C)

**Octanol/Water Partition Coefficient:** NA

**pH:** 6 - 9

**Appearance and Odor:** Appearance: Clear. Red.  
Odor: sweetish odor. Odor Threshold: {NA}

### 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** None known.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents. Reducing agents.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide. Carbon dioxide, Hydrogen chloride. Amines.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** Product will not undergo polymerization.

### 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Ingredient: CAS# 68424-85-1 Alkyl dimethyl benzyl ammonium chloride:  
Oral, rat: LD50 344 mg/kg; Dermal, rabbit: LD50 3340 mg/kg.

**Chronic Toxicological Effects:** Sensitization: Non-hazardous by WHMIS criteria.  
Carcinogenicity: Non-hazardous by WHMIS criteria.  
Mutagenicity: Non-hazardous by WHMIS criteria.  
Neurotoxicity: Non-hazardous by WHMIS criteria.  
Reproductive Effects: Non-hazardous by WHMIS criteria.  
Teratogenicity: Non-hazardous by WHMIS criteria.

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**Carcinogenicity/Other Information:** ACGIH A3: Animal carcinogen.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Quaternary ammonium compounds, benzyl C12-16-alkyldimethyl, chlorides	68424-85-1	No	No	No	No
2. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	No	No	No	No
3. Ethanol	64-17-5	No	1	A3	No

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** CAS# 68424-85-1 Alkyl benzyl dimethyl ammonium chloride.  
LC50; bluegill sunfish: 0.52 mg/L 96-Hr. LC50 daphnia magna: 0.058 mg/L 48-Hr. Fish: Rainbow trout: LC50 = .93 mg/L; 96 Hr.

CAS# 64-17-5 Ethanol:  
Oncorhynchus mykiss: LC50 12900 mg/L 96 Hr.; Pimephales promelas: LC50 14.2 mg/L; Photobacterium phosphoreum: EC50 35470 mg/L 5-min; Daphnia magna: EC50 9268 mg/L 48-Hr.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## 14. TRANSPORT INFORMATION

### LAND TRANSPORT (US DOT)

**DOT Proper Shipping Name** Not regulated as a hazardous material.

### LAND TRANSPORT (Canadian TDG)

**TDG Shipping Name** Not dangerous goods.

**Additional Transport Information:** No data available.

## 15. REGULATORY INFORMATION

### Canadian WHMIS Classification

CLASS D, DIVISION 2, SUBDIVISION A: Very Toxic Materials (carcinogens, reproductive toxicity, etc.)

**EPA Hazard Categories:** This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Yes  No Acute (immediate) Health Hazard

Yes  No Chronic (delayed) Health Hazard

Yes  No Fire Hazard

Yes  No Sudden Release of Pressure Hazard

Yes  No Reactive Hazard

Regulatory Information:	Inventory Country	Inventory Name	On inventory (Y/N)
	Canada	Domestic Substances List (DSL)	Y
	Canada	Non-Domestic Substances List (NDSL)	N
	United States	Toxic Substances Control Act (TSCA) inventory	Y.

**Regulatory Information Statement:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

### Company Policy or Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Expiration Date: May 20, 2018

**N.A.=Not available, N.P.=Not applicable, N.D.=Not determined, N.E.=Not established, N.R.=Not required**