

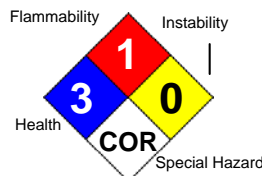
MATERIAL SAFETY DATA SHEET

Sink Sanitizer (Ultra Concentrate)

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Printed: 02/27/2013
Revision: 06/01/2015
Supersedes Revision: 02/27/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: SS01

Product Name: Sink 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: AMESS01 CCSSS01

Revision Date: 02/27/2013

2. HAZARDS IDENTIFICATION

Emergency Overview: Danger! Corrosive. Causes eye and skin burns. Harmful if swallowed.
Target Organs: Eyes, skin, respiratory tract, digestive tract.

Potential Health Effects (Acute and Chronic):

Eyes: Causes chemical burns.

Skin: Causes chemical burns.

Ingestion: Harmful if swallowed. May cause severe irritation and burns of the mouth, throat and digestive tract.

Inhalation: No information available.

Chronic: None known.

LD 50 / LC 50: Refer to Section 11.

Signs and Symptoms Of Exposure: Burns and 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 -5.0 %
2. Ethanol	64-17-5	1.0 -5.0 %
3. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	3.0 -7.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes: Flush eyes with plenty of water for at least 15-20 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Immediately flush skin with plenty of water for at least 15-20 minutes. Get medical aid immediately.

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.

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:

Water spray, dry chemical, or foam.

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.

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. Ethanol	64-17-5	1000 ppm	1000 ppm	No data.
3. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	No data.	No data.	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:

Goggles.

Protective Gloves:

Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.):

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Good general ventilation should be sufficient to control airborne levels.

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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:	NA
Percent Volatile:	NA
Saturated Vapor Concentration:	NA
Viscosity:	NA
Octanol/Water Partition Coefficient:	NA
pH:	6 - 9
Appearance and Odor:	Appearance: Clear. Pinkish. purple. 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, Nitrogen oxides.
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# 64-17-5 Ethanol: Oral, rat: LD50 7060 mg/kg; Oral, guinea pig: LD50 5560 mg/kg; Dermal, rabbit: LD50>20 ml/kg; Inhalation, rat: LC50 32,380 ppm 4-H.
Chronic Toxicological Effects:	Ingredient: CAS# 68424-85-1 Alkyl dimethyl benzyl ammonium chloride: Oral, rat: LD50 344 mg/kg; Dermal, rabbit: LD50 3340 mg/kg. 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. Ethanol	64-17-5	No	1	A3	No
3. Quaternary ammonium compounds, di-C8-10-alkyldimethyl chlorides	68424-95-3	No	No	No	No

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

12. ECOLOGICAL INFORMATION

General Ecological Information: Ingredient: 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.

Ingredient: 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: Consumer Commodity ORM-D.
DOT Hazard Class: 8
DOT Hazard Label: CORROSIVE
UN/NA Number: UN1903
Packing Group: III

LAND TRANSPORT (Canadian TDG)

TDG Shipping Name: Limited Quantity.
UN Number: 1903
Hazard Class: 8 - CORROSIVE
Packing Group: III

Additional Transport Information: ORM-D.

15. REGULATORY INFORMATION

Canadian WHMIS Classification

CLASS E: Corrosive Materials
CLASS D, DIVISION 2: Materials Causing Other Toxic Effects

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

[X] Yes [] No Acute (immediate) Health Hazard

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- 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

Expiration Date 01 June 2018

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.

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