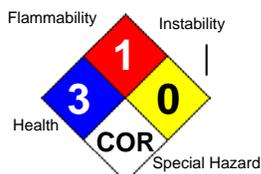


# MATERIAL SAFETY DATA SHEET

## MultiPurpose Disinfectant Cleaner (Ultra Concentrate)

HEALTH	3
FLAMMABILITY	1
PHYSICAL	0
PPE	B



Printed: 02/27/2013  
Revision: 02/27/2013  
Supersedes Revision: 01/04/2012

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MP01:MP32:MP86:MPV01  
**Product Name:** MultiPurpose Disinfectant Cleaner (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:** Multi-Purpose Cleaner/Disinfectant

**Part Number:** AMEMP01 CCSMP01 AMEMP32 CCSMP32 AMEMP86 AMEMPV01

**Revision Date:** 02/27/2013

### 2. HAZARDS IDENTIFICATION

**Emergency Overview:** Danger! Corrosive. Causes skin and eye burns. May cause respiratory tract irritation. Harmful if swallowed. May cause severe digestive tract irritation with possible burns.  
Target Organs: Eyes, skin, mucous membranes.

**Potential Health Effects (Acute and Chronic):** Eyes. May cause chemical burn. May cause blindness.

Skin: May cause chemical burn. Brief exposure may cause irritation and defatting of the skin.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause chemical burn.

Inhalation: May cause respiratory tract irritation. High concentrations may lead to central nervous system effects (dizziness, nausea, headaches).

Chronic: Prolonged or repeated skin contact may cause dermatitis.

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

**Signs and Symptoms Of Exposure:** Burns and irritation. Blurred vision. Headache. Dizziness. Drowsiness. Nausea, vomiting, diarrhea.

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

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Sodium Carbonate	497-19-8	1.0 -5.0 %

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Hazardous Components (Chemical Name)	CAS #	Concentration
2. Tetrasodium ethylenediamine tetraacetate	64-02-8	1.0 -5.0 %
3. Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	3.0 -7.0 %
4. Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.0 -7.0 %
5. Alcohols, C10-14, ethoxylated	66455-15-0	7.0 -13.0 %

## 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 with plenty of water for at least 15 minutes. Get medical aid.

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

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. 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:** Sodium oxide. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

**Suitable Extinguishing Media:** Dry chemical or foam. Water fog. CO2.

**Unsuitable Extinguishing Media:** Do NOT use straight streams of water.

## 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. Sodium Carbonate	497-19-8	15 mg/m3 (T); 5 mg/m3 (R)	No data.	No data.
2. Tetrasodium ethylenediamine tetraacetate	64-02-8	No data.	No data.	No data.
3. Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	No data.	No data.	No data.
4. Alkyl dimethyl benzyl ammonium chloride	68391-01-5	No data.	No data.	No data.
5. Alcohols, C10-14, ethoxylated	66455-15-0	No data.	No data.	No data.

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<b>Respiratory Equipment (Specify Type):</b>	Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.
<b>Eye Protection:</b>	Wear chemical goggles.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
<b>Work/Hygienic/Maintenance Practices:</b>	General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid
<b>Melting Point:</b>	NA
<b>Boiling Point:</b>	NA
<b>Decomposition Temperature:</b>	NA
<b>Autoignition Pt:</b>	NA
<b>Flash Pt:</b>	> 200.00 F (93.3 C)    Method Used: Estimate
<b>Specific Gravity (Water = 1):</b>	1.06
<b>Density:</b>	66.14 LB/CF
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Evaporation Rate:</b>	NA
<b>Solubility in Water:</b>	NA
<b>Percent Volatile:</b>	2.1 %
<b>Saturated Vapor Concentration:</b>	NA
<b>Viscosity:</b>	NA
<b>Octanol/Water Partition Coefficient:</b>	NA
<b>pH:</b>	9.5 - 11.5
<b>Appearance and Odor:</b>	Appearance: Clear. Yellow. Odor: Citrus. Odor Threshold: {NA}

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Excess heat.
<b>Incompatibility - Materials To Avoid:</b>	Acids. Strong oxidizing agents. Metals. Reducing agents.
<b>Hazardous Decomposition Or Byproducts:</b>	Carbon monoxide. Carbon dioxide, Hydrogen chloride. Sodium oxide.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	Product will not undergo polymerization.

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## 11. TOXICOLOGICAL INFORMATION

### Toxicological Information:

Ingredient: CAS# 66455-15-0 Alcohols, C10-14, ethoxylated:  
Oral, rat: LD50 2000-5000 mg/kg; Dermal, rabbit: LD50 >2000 mg/kg.

Ingredient: CAS# 64-02-8 Tetrasodium ethylenediamine tetraacetate:  
Rat, oral: LD50 >2000 mg/kg.

Ingredient: CAS# 497-19-8 Sodium Carbonate:  
Inhalation, rat: LC50 2300 mg/m<sup>3</sup>; Oral, rat: LD50 2800 mg/kg; Dermal, rabbit: LD50 >2000 mg/kg.

Ingredient: Ammonium Chlorides:  
Oral, rat: LD50 507 mg/kg; Dermal, rat: LD50 >2000 mg/kg.

### Chronic Toxicological Effects:

No data available.

### Hazardous Components (Chemical Name)

#### CAS #

#### NTP

#### IARC

#### ACGIH

#### OSHA

1. Sodium Carbonate	497-19-8	No	No	No	No
2. Tetrasodium ethylenediamine tetraacetate	64-02-8	No	No	No	No
3. Alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	No	No	No	No
4. Alkyl dimethyl benzyl ammonium chloride	68391-01-5	No	No	No	No
5. Alcohols, C10-14, ethoxylated	66455-15-0	No	No	No	No

### Carcinogenicity:

NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

### General Ecological Information:

Ecotoxicity:  
Ingredient: CAS# 497-19-8 Sodium Carbonate:  
LC50 Daphnia magna: 265-565 mg/L 96-H; LC50 Bluegill sunfish: 300-320 mg/L.

Ingredient: CAS# 64-02-8 Tetrasodium ethylenediamine tetraacetate: LC50 fathead minnow: >100 mg/L

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. 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.

### LAND TRANSPORT (Canadian TDG)

#### TDG Shipping Name

Limited Quantity.

### Additional Transport Information:

ORM-D.

## 15. REGULATORY INFORMATION

### Canadian WHMIS Classification

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CLASS E: Corrosive Materials

**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 Statement:**

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

**16. OTHER INFORMATION**

Exposure Limit Definitions for "Particulates not otherwise regulated":

T- Total dust

R- Respirable dust.

**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: 01 May 2014

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