

# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

**PRODUCT:** Lemon Disinfectant Neutral Cleaner

**ITEM:** 91101 – 91105 – 91130 – 91155

**PRODUCT USE:** Disinfectant and Sanitizer Cleaner

DATE ISSUED : 10/17/2019

SDS REF. No : 911

**MANUFACTURER:**

Chemcor Chemical Corp.  
13770 Benson Avenue  
Chino, CA 91710

**24 HR. EMERGENCY TELEPHONE NUMBER:**

**INFOTRAC (US Transportation): (800) 535-5053**  
NON-EMERGENCY TELEPHONE NUMBER:  
(909) 590-7234

**E.P.A. REG. No.:** 1839-168-70925

## 2. HAZARDS INGREDIENTS & IDENTIFICATION

**GHS CLASSIFICATION:**

**Acute Toxicity - Oral:** Category 5  
**Acute Toxicity - Skin:** Category 4  
**Skin Corrosion/Irritation:** Category 2  
**Aquatic Toxicity (Acute):** Category 2

**GHS LABEL ELEMENT**



**Signal Word**

**Hazard statements:**

Warning  
May be harmful if swallowed.  
Harmful in contact with skin.  
Causes skin irritation.  
Toxic to aquatic life.

**PRECAUTIONARY STATEMENTS**

**PREVENTION:**

Wear protective gloves and eye/face protection as specified by the supplier or the competent authority.  
Wash skin thoroughly after handling.  
Avoid release in to the environment.

**RESPONSE:**

If swallowed: Immediately call a Poison Center or doctor.  
If on skin (or in hair): Wash with plenty of soap and water.  
If skin irritation occurs, get medical attention immediately.

**STORAGE:**

**DISPOSAL METHOD:**

**EMPTY CONTAINER:**

Store in a cool dry place at room temperature away from direct sunlight. Store in accordance with local regulations.  
Dispose of in accordance with all Local, State and Federal regulations.  
Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.

**Potential Health Effects  
(Acute and Chronic)**

**Inhalation:**

**Skin Contact:**

**Eye Contact:**

**Ingestion:**

Slight irritation, headache, dizziness, nausea.  
Slight irritation and can cause corrosion to skin.  
Corrosive to eyes and may cause severe damage including blindness.  
May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

## 3. PHYSICAL DATA/COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration / Weight %
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	N/A
Octyl decyl dimethyl ammonium chloride	68424-95-3	N/A
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	N/A
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	N/A

## 4. HEALTH HAZARD DATA & FIRST AID MEASURES

**Emergency and First Aid  
Procedures:**

**IN CASE OF EYES :**

**IN CASE OF SKIN :**

Flush eyes with water for 15 minutes. Get medical attention.  
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**IN CASE OF INGESTION :**  
**IN CASE OF INHALATION :**  
**NOTES TO PHYSICIAN:**

If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Get medical aid immediately.  
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.  
Treat symptomatically.

**5. FIRE FIGHTING & EXPLOSION DATA/MEASURES**

**SUITABLE EXTENUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.  
**UNSUITABLE EXTENUISHING MEDIA:** None Known  
**SPECIFIC HAZARDS DURING FIRE FIGHTING:** Not flammable or combustible.  
**HAZARDOUS COMBUSTION PRODUCTS:** None Know  
**FIRE FIGHTING EQUIPMENT :** Avoid breathing of vapors. Apply water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors. Use Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator and protective clothing.  
**SPECIAL EXTINGUISHING:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of and/or explosion do not breathe fumes.  
**OTHER CONSIDERATIONS :** If material is released, area will become slippery.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCDURES:** Wear protective equipment as needed. Refer to protective measures listed in sections 7 and 8.  
**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** To contain spilled material, dike area involved. Remove source of ignition and provide ventilation. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.  
**WATER DISPOSAL METHOD:** Dispose of according to local, state and federal regulations. Wear protective equipment as needed.  
**ENVIRONMENTAL PRECAUTIONS:** Do not allow contact with soil, surface or ground water.

**7. PRECAUTIONS FOR SAFE HANDLING/STORAGE/USE**

**SAFE HANDLING:** Wash hands thoroughly after handling. Use adequate ventilation. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not ingest or inhale.  
**GENERAL PROCEDURES :** Store in a tightly closed container. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals. Store away from excessive heat. Do not freeze. Keep away from food stuffs. Keep out of reach of children. Do not mix with other chemicals.  
**STORAGE TEMPERATURE:** 0 °C to 50 °C

**8. EXPOSURE CONTROLS\PERSONAL PROTECTION (PPE)**

**OCCUPATIONAL EXPOSURE LIMITS:**

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	No data	No data	No data
Octyl decyl dimethy ammonium chloride	68424-95-3	No data	No data	No data
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	No data	No data	No data
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	No data	No data	No data

**OSHA TABLE COMMENTS:** ND = No Data  
**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES AND FACE:** Safety glasses.  
**HAND:** Rubber gloves.  
**SKIN:** Wear appropriate protective clothing to minimize contact with skin.  
**RESPIRATORY:** Always use a NIOSH approved respirator when necessary.  
**WORK HYGIENIC PRACTICES:** Avoid accidental spills on skin, wash after use. Wash contaminated clothing prior to reuse.  
**OTHER USE PRECAUTIONS:** Have clean water available for washing. Provide adequate ventilation or use mechanical devices.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE/PHYSICAL STATE: Liquid  
COLOR: Clear/Yellow  
ODOR: Lemon  
pH: 6-8  
FLASH POINT: >=212°F  
ODOR THRESHOLD: No Data Available  
MELTING POINT/FREEZING POINT: No Data Available  
BOILING POINT: >212°F  
EVAPORATION RATE: (Water=1):>1 (slower than water)  
FLAMMABILITY (SOLID, GAS): No Data Available  
UPPER EXPLOSION LIMIT: No Data Available  
SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.005  
LOWER EXPLOSION LIMIT: No Data Available  
VAPOR PRESSURE: No Data Available

RELATIVE VAPOR DENSITY: (Air=1):>1 (heavier than air)  
 RELATIVE DENSITY: 8.38 lbs/gal  
 WATER SOLUBILITY: 100%  
 SOLUBILITY IN OTHER SOLVENTS: No Data Available  
 PARTITION COEFFICIENT: N-OCTANOLI/WATER: No Data Available  
 AUTOIGNITION TEMPERATURE: No Data Available  
 THERMAL DECOMPOSITION: No Data Available  
 VISCOSITY, KINEMATIC: No Data Available  
 EXPLOSIVE PROPERTIES: No Data Available  
 OXIDIZING PROPERTIES: No Data Available  
 MOLECULAR WEIGHT: No Data Available  
 VOC: <6.0000 G/L

## 10. STABILITY AND REACTIVITY

**STABILITY :** Stable  
**HAZARDOUS POLYMERIZATION :** Will not occur  
**CONDITIONS TO AVOID :** Incompatible materials  
**POLYMERIZATION :** Will not occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, chlorine, Carbon monoxide, Carbon dioxide, nitrogen oxides (NOx) and ammonia (NH3).  
**INCOMPATIBLE MATERIALS :** Strong reducing agents, acids, organic matter, cyanides (e.g. potassium cyanide, sodium cyanide), ammonium salts, cellulose, sodium thiosulfate, Acetanilide, chlorates, hypophosphites, and iodides. mercury salts, permanganates, sulfites, tannic acid.

## 11. TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** No data available.  
**COMPONENT ACUTE TOXICITY INFORMATION**

Chemical Name	CAS Number	NTP	IARC	ACGIH	OSHA
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	N/A	N/A	N/A	N/A
Octyl decyl dimethy ammonium chloride	68424-95-3	N/A	N/A	N/A	N/A
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	N/A	N/A	N/A	N/A
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	N/A	N/A	N/A	N/A

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all Local, State and Federal regulations.  
**EMPTY CONTAINER:** Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.  
**RCRA/EPA WASTE INFORMATION:** N/A

## 14. TRANSPORT INFORMATION

**THE SHIPPER/CONSIGNOR/SENDER IS RESPONSIBLE TO ENSURE THAT THE PACKAGING, LABELING, AND MARKINGS ARE IN COMPLIANCE WITH THE SELECTED MODE OF TRANSPORT.**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**LAND TRANSPORT:**  
 Not dangerous goods

**SEA TRANSPORT (IMDG/IMO):**  
 Not dangerous goods

**AIR TRANSPORT (IATA):**  
 Not dangerous goods

## 15. REGULATORY INFORMATION

**EPCRA – EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW  
 CERCLA REPORTABLE QUANTITY**

Hazardous Components	CAS Number	Component RQ (Lbs.)	Calculated Component RQ (lbs.)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	N/A	N/A
Octyl decyl dimethy ammonium chloride	68424-95-3	N/A	N/A
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	N/A	N/A
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	N/A	N/A

**UNITED STATES:**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)  
 All Chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)  
 SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards:**

Acute Health Hazard

**SARA 302:**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**CALIFORNIA PROP 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**16. OTHER INFORMATION**

NFPA	Health Hazards: 2	Flammability: 1	Instability: 0	Special: N/A
HMIS	Health Hazards: 2	Flammability: 1	Physical Hazards: 0	PPE: C

Additional Information About PPE C: Safety glasses, gloves, apron

<b>Revision Date:</b>	09-30-2015
<b>Reasons For Revision:</b>	No Information Available

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**MANUFACTURER DISCLAIMER:** We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

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---- End of Safety Data Sheet ----



## 1 Material and Supplier Identification

Product Name: **One Step Disinfectant**

Description: Disinfectant/Cleaner/Sanitizer

Recommended use of the chemical and restrictions: Use only for the purpose on product label. This product is not intended to be used without prior dilution if specified on product label.

Supplier's Information: **Fulton Distributing**  
53-603 Polk Street  
Coachella, CA 92236  
760-262-6200 (Customer Service)

Emergency Telephone: (800) 255-3924 USA (813)248-0585 International (Chemtel 24 hrs)

## 2 Hazards Identification

Classification of Mixture: Not Classified

Pictogram  
No Pictogram

Signal Word: WARNING

Hazard Statements: May cause skin and eye irritation.

## Precautionary Statements

General: Keep out of Reach of Children. Read label before use.

Prevention: Wash hands thoroughly after handling.

Response: IF ON SKIN: Take off contaminated clothing and wash before reuse. Rinse skin with water. If skin irritation persists: Get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If problem persists, call a Poison Center or get medical attention.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

## 3 Composition/Information on Ingredients

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Concentration Range %</u>
Didecyl dimethyl ammonium chloride	7173-51-5	2.54
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	1.69

## 4 First Aid Measures

Eye Contact:	Flush eyes with water for 15 minutes. Remove contact lenses if any.
Skin Contact:	Contact with concentrate may be an irritant to sensitive skin. If spilt in large areas of skin, rinse immediately with water and remove clothing. Wash skin thoroughly with soap and water.
Inhalation	If discomfort is experienced after prolonged exposure to vapours, move person to fresh air. Get medical attention if irritation persists.
Ingestion:	Get medical attention immediately. Rinse mouth with water. Do NOT induce vomiting. Drink glass of water to dilute product.

## 5 Firefighting Measures

Suitable Extinguishing Media:	Water spray, normal foam, dry agent (carbon dioxide, dry chemical powder.)
Specific Hazards arising from the Chemical:	In a fire or if heated, a pressure increase will occur and the container may burst. Combustion products may include and are not limited to nitrogen oxides, carbon monoxide, and carbon dioxide.
Specific Protective Equipment and Precautions for Firefighters:	Firefighters should wear NIOSH approved self-contained breathing apparatus and protective clothing. If safe to do so, remove containers from path of fire. If involved in a fire, keep containers cool with water spray.

## 6 Accidental Release Measures

Emergency Procedures:	Keep area clear of personnel until area has been properly cleaned.
Personal Precautions/ Protective Equipment:	Slippery when spilt. To avoid accidents, clean up immediately and shut off source of leak, if safe to do so. Wear appropriate protective equipment to prevent any contamination of skin, eyes, and personal clothing. Provide sufficient ventilation.
Environmental Precautions:	If contamination of sewers or waterways has occurred, advise local emergency services.
Methods for Containment and Cleaning Up:	Contain spill with absorbent (soil, sand, or other inert material) or spill kit to prevent contamination of sewers or waterways. Neutralization agent is not recommended within building, as toxic vapors may be omitted. Properly dispose of used absorbents in accordance with local, state, and federal regulations.

## 7 Handling and Storage

Precautions for Safe Handling:	Avoid skin and eye contact, inhalation and ingestion. Wash hands thoroughly after use. Keep out of reach of children.
Conditions for Safe Storage, Including an Incompatibilities:	Store in cool, dry place and out of direct sunlight. Store away from source of heat or ignition. Do not mix with other chemicals. Keep container closed when not in use, and check regularly for leaks.  See Section 10 for incompatible materials.

## 8 Exposure Controls/Personal Protection

### Control Parameters:

#### Hazardous Ingredients

Didecyl dimethyl ammonium chloride  
Alkyl dimethyl benzyl ammonium chloride

#### ACGIH TLV

N/A  
N/A

#### OSHA PEL

N/A  
N/A

#### NIOSH IDLH

N/A  
N/A

Appropriate engineering controls:

Good ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal Protection

Eye Protection: Use protective glasses or safety goggles if splashing or spray-back is likely.

Hand Protection: Use protective gloves when used for prolonged periods or if skin sensitive.

Skin Protection: Use apron if splashing or spray-back is likely.

Respiratory Protection: Use in well ventilated areas or local exhaust ventilation when cleaning small spaces.

Hygiene Measures: Always wash hands after handling chemical products, and before smoking, eating, drinking, or using the toilet. Wash contaminated clothing or protective equipment before storage and re-use.

## 9 Physical and Chemical Properties

Physical State:	Liquid	Specific Gravity:	1.0	Vapour Pressure (mm Hg):	< 17 mm Hg
Color:	Yellow	Evaporation Rate:	< 1	Vapour Density:	> 1
Odor:	Lemon	Solubility in Water:	Complete	Freezing Point (°F):	< 32
pH:	7.5-8.5	VOC (g/L):	<6	Boiling Point (°F):	> 212
				Flash Point (°F):	> 200

< means less than

> means greater than

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10 Stability and Reactivity

Reactivity: No specific data

Chemical Stability: Stable

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: Avoid exposure to heat and light.

Incompatible Materials: Slightly reactive or incompatible with oxidizers (e.g., bleach), strong acids (e.g., hydrochloric acid) and reactive metals (e.g., aluminum).

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## 11 Toxicological Information

### Symptoms:

Eye Contact:	Adverse symptoms may include the following: irritation, watering, redness
Skin Contact:	Adverse symptoms may include the following: irritation, redness
Inhalation:	Adverse symptoms may include the following: respiratory tract irritation, coughing
Ingestion:	Adverse symptoms may include the following: stomach pains

### Acute Toxicity:

Eye Contact:	May cause eye irritation.
Skin Contact:	May cause skin irritation.
Inhalation:	May cause respiratory irritation.
Ingestion:	May cause burns to mouth, throat and stomach.

### Toxicity Data:

<b>Hazardous Ingredients</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>
Didecyl dimethyl ammonium chloride	LD50 - Oral	Rat	238 mg/kg
	LD50 - Dermal	Rabbit	3,342 mg/kg
Alkyl dimethyl benzyl ammonium chloride	LD50	Rat	344 mg/kg
	LD 50- Dermal	Rabbit	3,340 mg/kg

Chronic Effects: No known significant effects or critical hazards

## 12 Ecological Information

Ecotoxicity: No data available.

### Aquatic Toxicity:

<b>Hazardous Ingredients</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>
Didecyl dimethyl ammonium chloride	No Data Available		
Alkyl dimethyl benzyl ammonium chloride	EC50	Daphnia Magna	<1.00 mg/l/48hrs

Other Adverse Effects: No known significant effects or critical hazards.

## 13 Disposal Considerations

Disposal Methods: Diluted product can be flushed to sanitary sewer. Discard empty container in trash. Dispose of waste in accordance with federal, state, and local regulations.

## 14 Transportation Information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Ground Transport

DOT Classification: Not Regulated

UN Number:

Transport Hazard Class:

Packaging Group: N/A

Hazardous Division:

Hazardous Contents:

## 15 Regulatory Information

SARA Title III: No  
California Proposition 65: No  
Other Regulations: EPA Regulated

## 16 Other Information

HMIS/NFPA Hazard Rating: Health: 1 Flammability: 0 Reactivity: 0

The information contained herein is based on the data available to us. It is believed to be correct. NO warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use thereof. For further information consult Fulton Distributing.

**MSDS Revision Date: 5/1/2015**



Chemical Specifications Sheet

SKU #180148

# One-Step Disinfectant

## Disinfectant/Cleaner/Sanitizer

### Desinfectante / Limpiador / Sanitizante

#### DESCRIPTION:

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 200 ppm (calculated as CaCO<sub>3</sub>) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. Disinfects, cleans, and deodorizes in one labor saving step. For use in hospitals and nursing homes as a disinfectant. Use in schools, colleges, veterinary clinics, animal life science laboratories, pet shops, airports, and kennels.

Disinfects, cleans and deodorizes the following hard, nonporous inanimate surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, acrylic, etc.). This product kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu). Effective against Influenza A virus associated with the flu.

#### DIRECTIONS:

Dilute product 1:64 or 2 ounces per gallon of water (660 ppm quat). Use a mop, brush, sponge or coarse sprayer. Apply to surface and let stand for a few minutes. Rinse with clean water.

#### Efficacy - see efficacy sheet for additional claims

Bacteria	Contact Time
Pseudomonas aeruginosa <sup>1</sup>	10 min
Staphylococcus aureus <sup>1</sup>	10 min
Salmonella enterica	10 min
Acinetobacter baumannii	10 min
Acinetobacter calcoaceticus	10 min
Bordetella bronchiseptica	10 min
Chlamydia psittaci	10 min
Staphylococcus aureus - Community Associated Methicillin - Resistant - CA-MRSA (NRS384) (USA300)	10 min
Staphylococcus aureus - Community Associated Methicillin - Resistant - CA-MRSA (NRS123) (USA400)	10 min
Enterobacter aerogenes	10 min
Enterobacter cloacae	10 min
Enterococcus faecalis	10 min
-Vancomycin Resistant (VRE)	10 min
Escherichia coli <sup>1</sup>	10 min
Fusobacterium necrophorum	10 min
Klebsiella pneumoniae <sup>1</sup>	10 min
Legionella pneumophila	10 min
Listeria monocytogenes	10 min
Pasteurella multocida	10 min
Proteus mirabilis	10 min
Proteus vulgaris	10 min
Salmonella enteritidis	10 min
Salmonella typhi	10 min
Serratia marcescens	10 min
Shigella flexneri	10 min
Shigella sonnei	10 min
Staphylococcus aureus	10 min
-Methicillin resistant (MRSA)	10 min
Staphylococcus aureus	10 min
-Vancomycin Intermediate Resistant (VISA)	10 min
Staphylococcus epidermidis <sup>2</sup>	10 min
Streptococcus faecalis <sup>1</sup>	10 min
Streptococcus pyogenes (Strep)	10 min

Viruses	Contact Time
Human coronavirus	1 min
Influenza A Virus/Hong Kong	2 min
HIV-1 (AIDS virus)	4 min
Adenovirus Type 7 - at 8 oz per gallon	10 min
Hepatitis B Virus (HBV)	10 min
Hepatitis C Virus (HCV)	10 min
Herpes Simplex Virus Type 1	10 min
Herpes Simplex Virus Type 2	10 min
Rotavirus (WA)	10 min
Respiratory Syncytial Virus (RSV)	10 min
Rubella Virus	10 min
SARS Associated Coronavirus (SARS)	10 min
Vaccinia virus	10 min

Animal Viruses	Contact Time
Avian Influenza Virus (H5N1)	10 min
Avian polyomavirus	10 min
Canine distemper virus	10 min
Feline leukemia virus	10 min
Feline picornavirus	10 min
Infectious bovine rhinotracheitis virus	10 min
Infectious bronchitis virus(Avian IBV)	10 min
Newcastle Disease Virus	10 min
Pseudorabies virus	10 min
Rabies virus	10 min
Transmissible Gastroenteritis virus (TGE)	10 min

1 ATCC & antibiotic-resistant strain  
2 antibiotic-resistant strain only



**Stability:** Shall remain stable when stored under normal conditions in original unopened containers. Do not allow to freeze.

**Appearance:** YELLOW  
**Odor:** LEMON  
**pH\*:** 7.5 - 8.5  
**Specific Gravity:** 1.0  
**VOC:** <6

\*As determined by a glass electrode pH meter as a concentrate.

For industrial and institutional use only, not for retail sale. See SDS for complete product specifications.

**Manufactured For:**  
**FULTON DISTRIBUTING CO.** Coachella, California 92236  
(760) 262 6200  
Fax (760) 262 6201

EPA Reg No. 47371-131-89325 HWS-64 LONZA LLC.