1. PRODUCT IDENTIFICATION & COMPANY INFORMATION

PRODUCT:	Lemon Disinfectant Neutral Cleaner
ITEM:	91101 - 91105 - 91130 - 91155

PRODUCT USE: **Disinfectant and Sanitizer Cleaner**

MANUFACTURER:

Chemcor Chemical Corp. 13770 Benson Avenue Chino, CA 91710

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

2. HAZARDS INGREDIENTS & IDENTIFICATION

GHS CLASSIFICATION: Acute Toxicity - Oral: Acute Toxicity - Skin: Skin Corrosion/Irritation: Aquatic Toxicity (Acute):

GHS LABEL ELEMENT



Category 5 Category 4

Category 2

Category 2

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 pleanty 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 to 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.
<u>Potential Health Effects</u> (Acute and Chronic) Inhalation: Skin Contact: Eye Contact: Ingestion:	Slight irritation, headache, dissiness, 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 dimethy 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 pleanty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritiation develops or persists.

24 HR. EMERGENCY TELEPHONE NUMBER:

(909) 590-7234

INFOTRAC (US Transportation): (800) 535-5053 NON-EMERGENCY TELEPHONE NUMBER:

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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 EXTENGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon Dioxide, Dry Chemical, Foam.
UNSUITABLE EXTENGUISHING 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 PRODCDURES: 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: ENGINEERING CONTROLS:

ND = No Data Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: HAND:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPERANCE/PHYSICAL STATE: COLOR: ODOR: pH: FLASH POINT: ODOR THRESHOLD: MELTING POINT/FREEZING POINT: BOILING POINT: EVAPORATION RATE: FLAMMABILITY (SOLID, GAS): UPPER EXPLOSION LIMIT: SPECIFIC GRAVITY: LOWER EXPLOSION LIMIT: VAPOR PRESSURE:
- Liquid Clear/Yellow Lemon 6-8 >=212°FNo Data Available No Data Available >212°F(Water=1):>1 (slower than water) No Data Available No Data Available (H₂O=1): 1.005 No Data Available No Data Available No Data Available

RELATIVE VAPOR DENSITY: RELATIVE DENSITY: WATER SOLUBILITY: SOLUBIILITY IN OTHER SOLVENTS: PARTITION COEFFICIENT: N-OCTANOLI/WATER: AUTOIGNITION TEMPERATURE: THERMAL DECOMPOSITION: VISCOSITY, KINEMATIC: EXPLOSIVE PROPERTIES: OXIDIZING PROPERTIES: MOLECULAR WEIGHT: VOC:

10. STABILITY AND REACTIVITY

STABILITY : HAZARDOUS POLYMERIZATION : CONDITIONS TO AVOID : POLYMERIZATION : HAZARDOUS DECOMPOSITION PRODUCTS:

INCOMPATIBLE MATERIALS :

(Air=1):>1 (heavier than air) 8.38 lbs/gal 100% No Data Available <6.0000 G/L

Will not occur Incompatible materials Will not occur Hydrogen chloride, chlorine, Carbon monoxide, Carbon dioxide, nitrogen oxides (NOx) and ammonia (NH3). 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: COMPONENT ACUTE TOXICITY INFORMATION

No data available.

Stable

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: **EMPTY CONTAINER:** RCRA/EPA WASTE INFORMATION: 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.

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 AMENDMENRS AND REAUTHORIZATION ACT) SARA 304 EXTREMLY 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.

NFPA HMIS	Health Hazards: 2 Health Hazards: 2	Flammability: 1 Flammability: 1	Instability: 0 Physical Hazards: 0	Special: N/A PPE: C
Additional Inform	matin About PPE C: Safety glasses	, gloves, apron		
<u>Revision Date:</u> Reasons For R		n Available		

and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

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



*VIRUCIDAL ACTIVITY - This product when used on LEMON DISINFECTANT NEUTRAL CLEANER IS A product per gallon of water. Apply solution with a cloth, Item No. 91101 environmental, inanimate, hard, non-porous surfaces HOSPITAL USE BACTERICIDE AND *VIRUCIDE AT 4 mob, sponge or hand pump trigger spraver making sure to exhibits effective virucidal activity against HIV-1. HIV-2. OUNCES PER GALLON. MODIFIED IN THE wet all surfaces completely. Let air dry. Prepare a fresh Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes PRESENCE OF 400 PPM HARD WATER AS CaCO3, solution for each use. Repeat application at weekly Simplex Type 1 (causative agent of fever blisters). Herpes THIS PRODUCT IS A FUNGICIDE AT 4 OUNCES PER intervals or when mildew growth appears. PRECAUTIONARY STATEMENTS

Simplex Type 2 (genital), Influenza A2/Hong Kong, GALLON, MODIFIED IN THE PRESENCE OF 200 PPM Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, HARD WATER AS CaCO3. Strain 229E), SARS associated Coronavirus, Bovine Viral Kills Pandemic 2009 H1N1 Influenza A virus (formerly

Diarrhea Virus (BVDV), Pseudorabies, Bovine called swine flu),

Rhinotracheitis, Feline Leukemia, Feline Picornavirus, GENERAL CLEANING - Apply this product to soiled area Avian Influenza A Virus H9N2, Avian Influenza A Virus with a mop, cloth, sponge, hand pump trigger spraver or Causes irreversible eye damage and skin burns. Do not Oc H3N2, Canine Distemper Virus, Rabies Virus, low pressure coarse spraver. This product can be diluted get in eyes, on skin or on clothing. May be fatal if absorbed Di Paramyxovirus (Mumps) and Porcine Respiratory & at 4 ounces per gallon or applied at full strength. Reproductive Syndrome Virus (PRRSV). Add 4 ounces of Thoroughly wet soiled surface and scrub as necessary. the product per gallon of water. For heavily soiled areas, a **DEODORIZATION** - To deodorize, apply this product as pre-cleaning step is required. Apply solution with a cloth, indicated under the heading DISINFECTION. mop, sponge, hand pump trigger sprayer or low pressure Veterinary Practice/Animal Care/Animal before eating, drinking, or using tobacco.

coarse spraver so as to wet all surfaces thoroughly. Allow Laboratory/Zoos/Pet Shop/Kennels Disinfection the surface to remain wet for 10 minutes, then remove Directions: For cleaning and disinfecting the following DO NOT CONTAMINATE WATER. FOOD. OR FEED BY excess liquid.

SPECIAL INSTRUCTIONS FOR CLEANING AND dried.

BLOOD/BODY FLUIDS.

minutes

disposal

gowns, masks, and eve coverings,

before application of this product.

hard non-porous surfaces: equipment not used for animal

STORAGE AND DISPOSAL

STORAGE OR DISPOSAL.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

DANGER

KILLS HIV-1. HIV-2. HBV. and HCV ON PRE food or water, utensils, instruments, cages, kennels, PESTICIDE STORAGE - Store in a dry place no lower in CLEANED ENVIRONMENTAL SURFACES/OBJECTS stables, catteries, etc. Remove all animals and feed from temperature than 50°F or higher than 120°F. Store in an PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in premises, animal transportation vehicles, crates, etc. area inaccessible to children.

health care settings (Hospitals, Nursing Homes) or other Remove all litter, droppings and manure from floors, walls CONTAINER DISPOSAL - Nonrefillable container. Do of inanimate surfaces/objects with blood or body fluids, Thoroughly clean all surfaces with soap or detergent and available. Triple rinse container promptly after emptying. and in which the surfaces/objects likely to be solied with rinse with water. Saturate surfaces with a use-solution of 4 Triple rinse as follows: Fill container ¼ full with water and continue rinsing eve. Call a poison control center or doctor for treatment microorganisms. blood or body fluids can be associated with the potential ounces of this product or product name per gallon of water recap. Agitate vigorously. Follow Pesticide Disposal advice. or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis closed spaces. Do not house animals or employ after the flow begins to drip. Repeat procedure two more immediately with plenty of water for 15-20 minutes. Call poison control center repeated use. B Virus (HBV), and Hepatitis C Virus (HCV).

available, puncture and dispose in a sanitary landfill.

brushes, razors, manicure/pedicure tools, clippers, mixture, or rinsate is a violation of Federal Law. If these PERSONAL PROTECTION: When handling items soiled scissors, trimmer blades) in a use-solution of 4 ounces of wastes cannot be disposed of by use according to label with blood or body fluids, use disposable latex gloves, this product per gallon of water for at least 10 minutes, instructions, contact your State Pesticide of

Rinse instruments thoroughly and dry before reuse. A Environmental Control Agency, or the Hazardous Waste CLEANING PROCEDURES: Blood and other body fluids fresh use-solution must be prepared daily or more often if representative at the nearest EPA Regional Office for

must be thoroughly cleaned from surfaces and objects the use-solution becomes visibly dirty. NOTE: Plastics guidance. may remain immersed until ready to use. Stainless steel CONTACT TIME: Allow surface to remain wet for 10 shears and instruments must be removed from the usesolution after 10 minutes, rinsed, dried and kept in a clean. DISPOSAL OF INFECTIOUS MATERIALS: Blood and non-contaminated receptacle. Prolonged immersion may other body fluids should be autoclaved and disposed of cause damage to stainless steel or metal instruments.

according to local regulations for infectious waste MILDEWSTAT To control mold and mildew (Aspergillus niger) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 4 ounces of this

lemon disinfectant tralicleaner

CLEANER • DISINFECTANT • * VIRUCIDE • KILLS GERMS • DEODORIZER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. ACTIVE INGREDIENTS

Causes irreversible eye damage and skin burns. Do not	Octyl decyl dimethyl ammonium chloride 0.814%
get in eyes, on skin or on clothing. May be fatal if absorbed	Dioctyl dimethyl ammonium chloride 0.407%
through the skin. Harmful if swallowed. Wear goggles or	Didecyl dimethyl ammonium chloride0.407%
face shield, rubber gloves, and protective clothing.	Alkyl (50% C ₁₄ , 40% C ₁₉ , 10% C ₁₆)
Remove contaminated clothing and wash before reuse.	dimethyl benzyl ammonium chloride 1.085%
Wash thoroughly with soap and water after handling and	INERT INGRÉDIENTS:

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

center or doctor. or going for treatment.

If swallowed: Call poison control center or doctor immediately for treatment DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, Disinfection of Barber/Salon Tools Directions: PESTICIDE DISPOSAL - Pesticide wastes are acutely advice. Have person sip a glass of water if able to swallow. Do not induce and HCV OF SURFACES/OBJECTS SOILED WITH Immerse pre-cleaned barber/salon tools (combs, hazardous. Improper disposal of excess pesticide, spray vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

> If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. You may contact 800/535-5053 for emergency medical treatment information. NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. See side panels for additional precautionary statements.

NET CONTENTS: 1 GALLON (3.785 L)

EPA Reg. No. 1839-168-70925 EPA Est. No. 70925-CA-001 Chemcor Chemical Corporation 13770 Benson Ave., Chino, CA 91710 Lemon Disinfectant Neutral Cleaner is a phosphate-free, BACTERICIDAL STABILITY OF USE-SOLUTION: isolate), Escherichia coli. Escherichia coli (clinical brush or swab thoroughly under the rim with a cloth, mop, subsp. aureus, Staphylococcus epidermidis, cloth, mop, sponge or sprayer, allow to stand for 10 resistant Enterococcus faecalis (VRE), Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin

pH neutral formulation designed to provide effective Prepare a fresh use-solution daily or more often if the use- isolate). Fusobacterium necrophorum, Klebsiella cleaning, deodorizing, and disinfection for hospitals, solution becomes visibly dirty, contaminated or diluted, pneumoniae subsp. pneumoniae. Lactobacillus casei nursing homes, households, homes, private residences, Non-Acid Toilet Bowl Disinfection/Cleaner subsp. rhamnosus, Listeria monocytogenes, Pasteurella schools, food processing plants, food service Directions; Remove gross filth prior to disinfection, multocida, Proteus vulgaris, Proteus mirabilis ATCC 9921. establishments, restaurants, transportation terminals, From concentrate; Add 4 ounces per gallon to the toilet Proteus mirabilis ATCC 25933, Salmonella (paratyphi B) office buildings, manufacturing facilities, lodging bowl and mix. Brush thoroughly over exposed surfaces enterica, Salmonella (typhi) enterica, Salmonella establishments, hotels, retail business, and and under the rim, allow to stand for 10 minutes and flush. (typhimurium) enterica, Salmonella (pullorum) enterica, athletic/recreation facilities, where housekeeping is of From use-solution: Empty toilet bowl or urinal and apply Serratia marcescens, Shigella sonnei, Shigella flexneri prime importance in controlling cross-contamination from 4 ounces per gallon use-solution to exposed surfaces, Type 2b, Shigella dysenteriae, Staphylococcus aureus treated surfaces. Lemon Disinfectant Neutral Cleaner is a one step neutral sponge or sprayer, allow to stand for 10 minutes and flush. Staphylococcus epidermidis (clinical isolate). disinfectant that is effective against a broad spectrum of For heavy duty use: Empty toilet bowl or urinal and Streptococcus pyogenes (Clinical - Flesh Eating Strain bacteria, is virucidal* (including HIV-1, HIV-2, HBV and apply 16 ounces per gallon use-solution to exposed BIRD M3), Streptococcus pyogenes Group A, HCV) and inhibits the growth of mold and mildew and their surfaces, brush or swab thoroughly under the rim with a Xanthamonas maltophilia (clinical isolate). Vancomycin odors when used as directed. Lemon Disinfectant Neutral Cleaner, when used as minutes and flush.

a mop, cloth, sponge, hand pump trigger sprayer or low Staphylococcus aureus (CA-MRSA) NRS 384 Genotype the area or carefully protected. After use, all surfaces in Acinetobacter baumannii. Gentamicin resistant countertops, appliances, and tables, add 4 ounces of Acinetobacter baumannii, Levofloxacin resistant

directed, is formulated to disinfect the following hard non- To disinfect food processing premises: floors, walls, intermediate resistant Staphylococcus aureus (VISA), porous inanimate environmental surfaces: floors, walls, and storage areas, add 4 ounces of Lemon Disinfectant Community Associated Methicillin resistant metal surfaces, stainless steel surfaces, glazed porcelain, Neutral Cleaner per gallon of water. For heavily soiled Staphylococcus aureus (CA-MRSA) NRS 123 Genotype glazed ceramic tile, plastic surfaces, vanity tops, shower areas, a pre-cleaning step is required. Apply solution with USA400. Community Associated resistant stalls, bathtubs, and cabinets, Have the product container or label with you when calling a poison control This product deodorizes those areas which generally are pressure coarse sprayer so as to wet all surfaces USA300, Salmonella (entertitidis) enterica, Ampicillin hard to keep fresh smelling, such as garbage storage thoroughly. Allow to remain wet for 10 minutes, then resistant Acinetobacter baumannii, Cefazolin resistant settings in which there is an expected likelihood of soiling and surfaces occupied or traversed by animals. not reuse or refill this container. Offer for recycling, if If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 areas, empty garbage bins and cans, toilet bowls, and remove excess liquid. Before using this product, food Acinetobacter baumannii, Ceftazdime resistant minutes. Remove contact lenses, if present, after the first 5 minutes, then other areas which are prone to odors caused by products and packaging materials must be removed from Acinetobacter baumannii, Ceftriaxone resistant Lemon Disinfectant Neutral Cleaner is formulated to a the area must be thoroughly rinsed with potable water. Acinetobacter baumannii, Tobramycin resistant for transmission of Human Immunodeficiency Virus Type 1 for a period of 10 minutes. Ventilate buildings and other instructions for rinsate disposal. Drain for 10 seconds If on skin or clothing: Take off contaminated clothing. Rinse skin neutral pH and will not dull high-gloss floor finishes with To disinfect restaurant food contact surfaces: Acinetobacter baumannii, Ciprofloxacin resistant This product is an economical concentrate that can be Lemon Disinfectant Neutral Cleaner per gallon of water. Acinetobacter baumannii and Bactrim resistant

used with a mop and bucket, trigger sprayers or sponge. For heavily soiled areas, a pre-cleaning step is required. Acinetobacter baumannii. DIRECTIONS FOR USE Apply solution with a cloth, sponge or hand pump trigger FUNGICIDAL ACTIVITY - At the 4 ounce per gallon It is a violation of Federal Law to use this product in a sprayer so as to wet all surfaces thoroughly. Allow the dilution, this product is fungicidal against the pathogenic surface to remain wet for 10 minutes, then remove excess fungi, Trichophyton mentagrophytes (Athlete's Foot manner inconsistent with its labeling. Lemon Disinfectant Neutral Cleaner is not for on liquid and rinse the surface with potable water. This Fungus) and Candida albicans. Apply solution with a critical and semi-critical medical device surfaces. product cannot be used to clean the following food cloth, sponge or hand pump trigger sprayer to hard, nonporous surfaces found in bathrooms, shower stalls, locker

DISINFECTION To disinfect inanimate, hard non- contact surfaces; utensils, glassware and dishes, porous surfaces add 4 ounces of Lemon Disinfectant BACTERICIDAL ACTIVITY - At the 4 ounce per gallon rooms, exercise facilities or other clean, hard non-porous Neutral Cleaner per gallon of water. Apply solution with a dilution. Lemon Disinfectant Neutral Cleaner surfaces commonly contacted by bare feet. Allow the mop, cloth, sponge, hand pump trigger sprayer or low demonstrates effective disinfectant activity against the surface to remain wet for 10 minutes, then remove excess pressure coarse spraver so as to wet all surfaces organisms; Pseudomonas aeruginosa PRD-10, liquid, Diluted product should be applied daily or more thoroughly, Allow to remain wet for 10 minutes, then Salmonella (choleraesuis) enterica. Staphylococcus frequently with heavy facility use. remove excess liquid. For spraver applications, sprav 6-8 aureus, Staphylococcus aureus (clinical isolate). inches from surface, rub with brush, sponge or cloth. Do Bordetella bronchiseptica, Corvnebacterium not breathe spray mist. ammoniagenes. Enterobacter aerogenes. Enterobacter For heavily soiled areas, a pre-cleaning step is required. cloacae. Enterobacter cloacae (clinical isolate) Enterococcus faecalis, Enterococcus faecalis (clinical

equipment until treatment has been absorbed, set or times. Then offer for recycling or reconditioning. If not or doctor for treatment advice,



1 Material and Supplier Indentification

One Step DIsinfectant	
Disinfectant/Cleaner/Sanitizer	
Use only for the purpose on product label. This product is prior dilution if specified on product label.	s not intended to be used without
Fulton Distributing 53-603 Polk Street Coachella, CA 92236 760-262-6200 (Customer Service)	
(800) 255-3924 USA (813)248-0585 International (Che	emtel 24 hrs)
Not Classified	Pictogram
	No Pictogram
WARNING	
May cause skin and eye irritation.	
Keep out of Reach of Children. Read label before use.	
Wash hands thoroughly after handling.	
IF ON SKIN: Take off contaminated clothing and wash be water. If skin irritation persists: Get medical attention. IF IN EYES: Rinse cautiously with water for several minu present and easy to do. Continue rinsing. If eye irritation IF INHALED: Remove person to fresh air and keep comf persists, call a Poison Center or get medical attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomitin immediately.	utes.Remove contact lenses, if persists: Get medical attention. fortable for breathing. If problem
	Disinfectant/Cleaner/Sanitizer Use only for the purpose on product label. This product is prior dilution if specified on product label. Fulton Distributing 53-603 Polk Street Coachella, CA 92236 760-262-6200 (Customer Service) (800) 255-3924 USA (813)248-0585 International (Che Not Classified WARNING May cause skin and eye irritation. Keep out of Reach of Children. Read label before use. Wash hands thoroughly after handling. IF ON SKIN: Take off contaminated clothing and wash b water. If skin irritation persists: Get medical attention. IF IN EYES: Rinse cautiously with water for several minu present and easy to do. Continue rinsing. If eye irritation IF INHALED: Remove person to fresh air and keep comt persists, call a Poison Center or get medical attention. IF SWALLOWED: Rinse mouth. Do NOT induce voniti

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

4 First Aid Measures	6
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 Incompatiibiities:	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.

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8 Exposure Controls/Personal Protection	on		
Control Parameters:			
Hazardous Ingredients	ACGIH TLV	OSHA PEL	NIOSH IDLH
Didecyl dimethyl ammonium chloride	N/A	N/A	N/A
Alkyl dimethyl benzyl ammonium chloride	N/A	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 prolong 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: Color: Odor: pH:	Liquid Yellow Lemon 7.5-8.5	Specific Gravity: Evapporation Rate: Solubility in Water: VOC (g/L):	1.0 < 1 Complete <6	Vapour Pressure (mm Hg): Vapour Density: Freezing Point (°F): Boiling Point (°F): Flash Point (°F):	< 17 mm Hg > 1 < 32 > 212 > 200
		< means less than	> m	leans 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.

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11 Toxological Information

Symptoms:					
	Eye Contact:		•	ne following: irritation	
	Skin Contact:		•	ne following: irritation	
	Inhalation: Ingestion:	• •	•	ne following: respirato	ory tract irritation, coughing
Acute Toxicity:	ingestion.	Adverse symp		ie ioliowing. stomaei	i puilo
	Eye Contact:	May cause ey	e irritation.		
	Skin Contact:	May cause sk			
	Inhalation:	-	spiratory irritation.		
	Ingestion:	May cause bu	irns to mouth, throat	and stomach.	
Toxicity Data:			_	. .	-
Hazardous Ing	yl ammonium chlorid	le	<u>Result</u> LD50 - Oral	<u>Species</u> Rat	<u>Dose</u> 238 mg/kg
Diacoyrainiothy			LD50 - Dermal	Rabbit	3,342 mg/kg
Alkyl dimethyl b	enzyl ammonium c	hloride	LD50	Rat	344 mg/kg
			LD 50- Dermal	Rabbit	3,340 mg/kg
Chronic Effects	3:	No known si	gnificant effects or c	ritical hazards	
12 Ecologic	al Information				
Ecotoxicity:		No data ava	lable.		
Aquatic Toxici	-				
Hazardous Ing				Species	Dose
	yl ammonium chlori oenzyl ammonium c		No Data Available EC50	Daphnia Magna	<1.00 mg/l/48hrs
Other Adverse	Effects:	No known si	gnificant effects or c	ritical hazards.	
13 Disposal	Considerations	3			
Disposal Metho	ods:			sanitary sewer. Dis with federal, state, ar	card empty container in trash. nd local regulations.
14 Transpor	tation Informat	ion			
Certain shinnin			exceptions from th	e transport regulation	
The classification	g modes or package on provided may no	e sizes may have t reflect those ex	ceptions and may n	ot apply to all shippin	is. Ia modes or package sizes.
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The classification Ground Transp DOT Classification UN Number: Transport Haza Packaging Grout Hazardous Divit Hazardous Com 15 Regulato SARA Title III: California Propo	on provided may no o <u>ort</u> tion: ard Class: up: sion: atents: ry Information osition 65: ons:	t reflect those ex Not Regulate N/A No No	ceptions and may n	ot apply to all shippin	is. ig modes or package sizes.
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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 therof. For further information consult Fulton Distributing.

MSDS Revision Date: 5/1/2015



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 CaCO3) 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 aeruginosa1	10 min
Staphylococcus aureus1	10 min
Salmonella enterica	10 min
Acinetobacter baumannii	10 min
Acinetobacter calcoaceticus	10 min
Bordetella bronchiseptica	10 min
Chlamydia psittaci	10 min
Staphylococcus aureus - Cor	nmunity 10 min
Associated Methicillin - Res	istant -
CA-MRSA (NRS384) (USA3	
Staphylococcus aureus - Cor	nmunity 10 min
Associated Methicillin - Res	
CA-MRSA (NRS123) (USA4	100)
Enterobacter aerogenes	10 min
Enterobacter cloacae	10 min
Enterococcus faecalis	10 min
-Vancomycin Resistant (VRE) 10 min
Escherichia coli ¹	10 min
Fusobacterium necrophorum	10 min
Klebsiella pneumoniae1	10 min
Legionella pneumophila	10 min
Listeria monocytogenes	10 min
Pasteurella multocida	10 min
Proteus mirabilis	10 min
Proteus vulgaris	10 min 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 11111
-Methicillin resistant (MRSA)	10 min
Staphylococcus aureus -Vancomycin Intermediate	10 11111
Resistant (VISA)	
Staphylococcus epidermidis ²	10 min
Streptococcus faecalis ¹	10 min
Streptococcus pyogenes (Str	
Suspicious pyoyelles (Sil	(P) 10 mm

FULTON DISTRIBUTING CO. Coachella, California 92236

Viruses Conta	ct 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) Avian polyomavirus Canine distemper virus Feline leukemia virus Feline picornavirus Infectious bovine rhinotracheiti Infectious bovine rhinotracheiti Infectious bovine rhinotracheiti Newcastle Disease Virus Pseudorabies virus Rabies virus Transmissible Gastroenteritis virus (TGE)	
1 ATCC & antibiotic-resistant	strain

² antibiotic-resistant strain only

Manufactured For:

Coachella, California 92236 (760) 262 6200 Fax (760) 262 6201



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.