

# 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

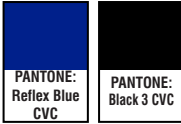
<b>Revision Date:</b>	09-30-2015
<b>Reasons For Revision:</b>	No Information Available

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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 ----



Label Width: 17  
 Label Height: 5.0  
 Label Color: Clear

**\*VIRUCIDAL ACTIVITY** – This product when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A2/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), SARS associated Coronavirus, Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Avian Influenza A Virus H9N2, Avian Influenza A Virus H3N2, Canine Distemper Virus, Rabies Virus, Paramyxovirus (Mumps) and Porcine Respiratory & Reproductive Syndrome Virus (PRRSV). Add 4 ounces of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid.

**KILLS HIV-1, HIV-2, HBV, and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, and HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**LEMON DISINFECTANT NEUTRAL CLEANER IS A HOSPITAL USE BACTERICIDE AND \*VIRUCIDE AT 4 OUNCES PER GALLON, MODIFIED IN THE PRESENCE OF 400 PPM HARD WATER AS CaCO<sub>3</sub>. THIS PRODUCT IS A FUNGICIDE AT 4 OUNCES PER GALLON, MODIFIED IN THE PRESENCE OF 200 PPM HARD WATER AS CaCO<sub>3</sub>.**

Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).

**GENERAL CLEANING** – Apply this product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. This product can be diluted at 4 ounces per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

**DEODORIZATION** - To deodorize, apply this product as indicated under the heading DISINFECTION.

**Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection Directions:** For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 ounces of this product or product name per gallon of water for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**Disinfection of Barber/Salon Tools Directions:** Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a use-solution of 4 ounces of this product per gallon of water for at least 10 minutes.

Rinse instruments thoroughly and dry before reuse. A fresh use-solution must be prepared daily or more often if the use-solution becomes visibly dirty. **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed from the use-solution after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

**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

product per gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

**DANGER**

**KEEP OUT OF REACH OF CHILDREN. CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in an area inaccessible to children.

**CONTAINER DISPOSAL** – Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

**PESTICIDE DISPOSAL** - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.



**Item No. 91101**

**Lemon disinfectant neutral cleaner**

CLEANER • DISINFECTANT • VIRUCIDE • KILLS GERMS • DEODORIZER

**ACTIVE INGREDIENTS**

Octyl decyl dimethyl ammonium chloride	0.814%
Diocetyl dimethyl ammonium chloride	0.407%
Didecyl dimethyl ammonium chloride	0.407%
Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride	1.085%
<b>INERT INGREDIENTS:</b>	<b>97.287%</b>
<b>TOTAL:</b>	<b>100.000%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**If swallowed:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce 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, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, households, homes, private residences, schools, food processing plants, food service establishments, restaurants, transportation terminals, office buildings, manufacturing facilities, lodging establishments, hotels, retail business, and athletic/recreation facilities, where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.

Lemon Disinfectant Neutral Cleaner is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is virucidal\* (including HIV-1, HIV-2, HBV and HCV) and inhibits the growth of mold and mildew and their odors when used as directed.

Lemon Disinfectant Neutral Cleaner, when used as directed, is formulated to disinfect the following hard non-porous inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets.

This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.

Lemon Disinfectant Neutral Cleaner is formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use.

This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers or sponge.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Lemon Disinfectant Neutral Cleaner is not for use on critical and semi-critical medical device surfaces.

**DISINFECTION** - To disinfect inanimate, hard non-porous surfaces add 4 ounces of Lemon Disinfectant Neutral Cleaner per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist.

For heavily soiled areas, a pre-cleaning step is required.

**BACTERICIDAL STABILITY OF USE-SOLUTION:** Prepare a fresh use-solution daily or more often if the use-solution becomes visibly dirty, contaminated or diluted. **Non-Acid Toilet Bowl Disinfection/Cleaner Directions:** Remove gross filth prior to disinfection. **From concentrate:** Add 4 ounces per gallon to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

**From use-solution:** Empty toilet bowl or urinal and apply 4 ounces per gallon use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

**For heavy duty use:** Empty toilet bowl or urinal and apply 16 ounces per gallon use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

**To disinfect food processing premises:** floors, walls, and storage areas, add 4 ounces of Lemon Disinfectant Neutral Cleaner per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. Before using this product, food products and packaging materials must be removed from the area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

**To disinfect restaurant food contact surfaces:** countertops, appliances, and tables, add 4 ounces of Lemon Disinfectant Neutral Cleaner per gallon of water. For heavily soiled areas, a pre-cleaning step is required.

Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

**BACTERICIDAL ACTIVITY** - At the 4 ounce per gallon dilution, Lemon Disinfectant Neutral Cleaner demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD-10, liquid. Diluted product should be applied daily or more frequently with heavy facility use.

isolate), *Escherichia coli*, *Escherichia coli* (clinical isolate), *Fusobacterium necrophorum*, *Klebsiella pneumoniae* subsp. *pneumoniae*, *Lactobacillus casei* subsp. *rhamnosus*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 9921, *Proteus mirabilis* ATCC 25933, *Salmonella* (paratyphi B) enterica, *Salmonella* (typhi) enterica, *Salmonella* (typhimurium) enterica, *Salmonella* (pullorum) enterica, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2b, *Shigella dysenteriae*, *Staphylococcus aureus* subsp. *aureus*, *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (clinical isolate), *Streptococcus pyogenes* (Clinical - Flesh Eating Strain BIRD M3), *Streptococcus pyogenes* Group A, *Xanthamonas maltophilia* (clinical isolate), *Vancomycin resistant Enterococcus faecalis* (VRE), *Methicillin resistant Staphylococcus aureus* (MRSA), *Vancomycin intermediate resistant Staphylococcus aureus* (VISA), *Community Associated Methicillin resistant Staphylococcus aureus* (CA-MRSA) NRS 123 Genotype USA400, *Community Associated resistant Staphylococcus aureus* (CA-MRSA) NRS 384 Genotype USA300, *Salmonella* (enteritidis) enterica, *Ampicillin resistant Acinetobacter baumannii*, *Ceftazidime resistant Acinetobacter baumannii*, *Ceftriaxone resistant Acinetobacter baumannii*, *Gentamicin resistant Acinetobacter baumannii*, *Tobramycin resistant Acinetobacter baumannii*, *Ciprofloxacin resistant Acinetobacter baumannii*, *Levofloxacin resistant Acinetobacter baumannii*, and *Bactrim resistant Acinetobacter baumannii*.

**FUNGICIDAL ACTIVITY** - At the 4 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) and *Candida albicans*. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.