



## Technical Data Report

# LDC-19-CL

## ONE-STEP QUATERNARY CLEANER, DEODORANT & DISINFECTANT

### DESCRIPTION

LDC-19-CL is an EPA registered concentrated, multipurpose product designed to effectively clean, deodorize and disinfect in one economical step. It combines two active quaternary ammonium compounds in a water base. Effective against a wide variety of pathogens including HIV-1 (AIDS Virus) and Herpes simplex Type 1. Dilutes 4 ounces per gallon for general disinfecting. Due to its low pH, LDC-19 can be used on waxed floors without affecting the finish. Used regularly, will control the growth of mold and mildew and eliminate odors that are bacterial in origin.

### APPLICATIONS

Use as a general cleaner/disinfectant/deodorant on floors, walls, fixtures, metal surfaces, toilet bowls, shower stalls, sinks, barber tools, and many others. Areas of use include prisoner holding areas, airports, child care centers, beauty salons and barber shops, schools/colleges, veterinary hospitals, nursing homes and patient care areas, medical and dental offices, and meat and poultry plants.

### FEATURES & BENEFITS

- Balanced killing action of a broad spectrum of pathogens with two quaternary ammonia disinfectant compounds
- Kills odor causing organisms quickly and effectively without an overpowering medicinal smell
- Concentrated, economical formula • Light mint fragrance

### SPECIFICATIONS

**FORM:** Water Based Liquid  
**ODOR:** Lemon  
**COLOR:** Clear-yellow  
**DETERGENCY:** Excellent  
**TOXICITY:** 400 ppm OSHA  
**TLV WETTING ABILITY:**  
 Saturates STORAGE  
**STABILITY:** 1 Year COLD  
**STABILITY:** 32°F

**FLASH POINT:** N/A  
**BOILING POINT:** 212°F  
**SOLUBILITY IN WATER:** 100%  
**SPECIFIC GRAVITY:** 1.00  
**% VOLATILE BY VOLUME:** 98%+  
**pH:** 8.7  
**BIODEGRADABILITY:** Yes  
**VISCOSITY:** Thin  
**EVAPORATION RATE:** Slow

#### ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride . . . . . 0.94%  
 n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl  
 benzyl ammonium chloride . . . . . 0.62%  
**OTHER INGREDIENTS . . . . . 98.44%**  
**TOTAL . . . . . 100.00%**

**PHOSPHATES:** None

### LABEL INFORMATION

#### LDC-19-CL ONE-STEP QUATERNARY CLEANER, DEODORANT, & DISINFECTANT

*A multipurpose germicidal detergent effective in the presence of a moderate amount of organic soil (5% serum). Disinfects, cleans and deodorizes in one labor saving step. Effective against the following pathogens: \*HIV-1 (AIDS virus), \*Adenovirus Type 3, \*Vaccinia, \*Influenza A/Texas, \*Herpes simplex Type 1, \*Rubella (German Measles), Pseudomonas aeruginosa, Staphylococcus aureus, Staphylococcus aureus - Methicillin-Resistant (MRSA), Streptococcus pyogenes, Enterobacter cloacae, Enterobacter aerogenes, Klebsiella pneumoniae, Proteus mirabilis, Proteus vulgaris, Escherichia coli, Salmonella enterica, Staphylococcus epidermidis, Staphylococcus aureus phage 80 & 81, Shigella flexneri, Shigella sonnei, Serratia marcescens, Trichophyton mentagrophytes, Candida albicans, Aspergillus flavus, Aspergillus fumigatus, Aspergillus glaucus var. tonophilus.*

USE IN bathrooms, kitchens, hospitals, restaurants, hotels, motels, correctional facilities, athletic facilities, beauty salons, public rest rooms and shower and bath areas.

USE ON washable, hard, non-porous surfaces of exterior surfaces of: appliances, floors, walls, other hard nonporous surfaces made of: glazed ceramic, metal, plastic, painted surfaces, finished wood-work.

**DILUTION: 1:32 — 4 OUNCES PER GALLON OF WATER (488 ppm Active Quat)**

#### DIRECTIONS FOR USE

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

#### GENERAL USE DIRECTIONS:

**APPLICATION:** For disinfection remove heavy soil deposits from

surface. Then thoroughly wet surface with a solution of 4 ounces (1/2 cup) of the concentrate per gallon of water. Apply with a cloth, mop, sponge, or coarse sprayer, or by soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or wipe dry with a clean cloth or sponge or allow to air dry. Rinse all surfaces that come in contact with food such as countertops, exterior surfaces of appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware, dishes or appliance interior surfaces as a disinfectant. Prepare a fresh solution daily or more often if the solution becomes diluted or visibly soiled. Rinsing of floors is not necessary unless they are to be waxed or polished.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**USDA:** For use in federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging materials must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

**TOILET BOWLS:** To clean, apply diluted solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove the heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in 3 ounces of the diluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under the rim. Let stand for 10 minutes or overnight, then flush.

**DISINFECTION OF BARBER/BEAUTY/SALON INSTRUMENTS AND TOOLS:** Tools (such as combs, brushes, razors, scissors and other shop tools) can be disinfected by immersing in a 4 ounce (1/2 cup) per gallon solution for a contact time of 10 minutes. Prepare a fresh solution daily or more often if the solution becomes diluted or visibly soiled.

**FUNGICIDAL INSTRUCTIONS:** This product is an effective fungicide against Trichophyton mentagrophytes, the athlete's foot fungus (a cause of ringworm), in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Follow disinfection directions.

**\*KILLS HIV-1 (AIDS VIRUS) ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) associated with AIDS.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/ OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**Personal Protection:** Clean-up should always be done wearing protective gloves, gowns, masks and eye protection. **Cleaning Procedures:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **Contact Time:** Leave surface wet for 5 minutes at 25°C (77°F) room temperature. Use a 10-minute contact time for disinfection against all other viruses, fungi, and bacteria claimed. **Disposal of Infectious Materials:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

**HEAVY DUTY CLEANING INSTRUCTIONS:** Use 8–12 oz. per gallon of water to clean heavily soiled areas.

**Protección Personal:** La limpieza siempre se debe de realizar usando guantes protectores, batas, mascara y protección a los ojos. **Procedimientos de limpieza:** Sangre y otros fluidos corporales deben ser limpiados muy bien de las superficies y objetos antes de aplicar este producto. **Tiempo de Contacto:** Deje la superficie húmeda por 5 minutos a temperatura ambiente (25°C, 77°F). Use 10 minutos de contacto para desinfectar contra otros virus, hongos y bacteria mencionados. **Disponga del Material Infectado:** Sangre, fluidos corporales, materiales de limpieza y ropa deben ser procesador por el autoclave y dispuestos de acuerdo a las leyes locales, estatales y federales.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. Harmful

if absorbed through the skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Remove contaminated clothing and wash before reuse. Avoid contact with skin. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

**ENVIRONMENTAL HAZARDS**

**FOR 5 GALLONS OR GREATER**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children. **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. **Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**PACKAGING INFORMATION**

Available in 4x1 gallons, 5 and 6 gallon pails, and 55 gallon drums.