# Hillyard Lemon Disinfectant



Hillyard Lemon Disinfectant blends a combination of ammonium chlorides to deliver virucidal control, kill Athlete's Foot Fungus and prevent the growth of mold and mildew and their odors. It is effective in the presence of organic soil (5% serum) and is especially adapted for use on floors, walls, and other hard nonporous surfaces where broad spectrum kill is important. It is ideal for use in hospitals, schools, dental offices, commercial buildings, hotels, veterinary clinics, and anywhere sanitation is important. Active Ingredients: Didecyl dimethyl ammonium chloride 0.94%, n-Alkyl (C14 50%, C12 40%, C18 10%) dimethyl benzyl ammonium chloride 0.62%. Other Ingredients: 98.44%.

- One-step cleaner/disinfectant/deodorizer.
- Leaves a pleasant lemon scent.
- EPA registered disinfectant.

## Technical Specifications

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| Appearance | Clear |
| Dilution Rate | 1:32 |
| Color | Yellow |
| Scent | Lemon |
| Non Volatile Matter | 2.00 - 3.00% |
| pH @ 25 deg. C | 10.00 - 11.50 |
| EPA Registration No. | EPA Reg. No. 47371-36-1658 |

## Safety

See material safety data sheet and product for safety information, handling and proper use.

## HMIS (Concentrate/RTU)

Flammability = 0/0 Health = 2/1 Reactivity = 0/0

## Availability

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| HIL0081289 | 72 - 1 oz. Packets |

## Directions

This is an EPA registered disinfectant.
Please refer to the actual container label for complete directions. 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 for use on medical device surfaces.

**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 three 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 athletes 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 must always be done wearing protective gloves, gowns, face 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 listed. **Disposal of Infectious Materials:** Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

**FARM PREMISE, LIVESTOCK, TURKEY AND POULTRY HOUSE DISINFECTANT:** 1. Remove all animals and feeds from premises, trucks, coops, crates, and enclosures. 2. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. 3. Empty all troughs, racks, and other feeding and watering appliances. 4. Thoroughly clean all surfaces with soap or detergent, and rinse with water. 5. Saturate all surfaces with the recommended disinfecting solution for a period of 10 minutes. 6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. 7. Ventilate buildings, coops, cars, boats, and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set, or dried. 8. After treatment with disinfectant, thoroughly scrub feed racks, troughs, automated feeders, fountains, and waterers with soap and detergent, and rinse with potable water before reuse.

**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS:** For cleaning and disinfecting hard nonporous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 oz. of Hillyard Lemon Disinfectant per gallon of water (or equivalent dilution) for a period of 10 minutes. Wipe or allow to air dry. Immerse all animal handling and restraining equipment as well as forks, shovels and scrapers used to remove litter and manure. Thoroughly scrub all surfaces that come in contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**Efficacy:**

**BACTERICIDAL ACTIVITY: 10-minute** contact time, Pseudomonas aeruginosa (Pseudomonas), Staphylococcus aureus (Staph), Streptococcus pyogenes (Strep), Enterobacter aerogenes, Enterobacter cloacae, Escherichia coli, Klebsiella pneumoniae, Proteus mirabilis, Proteus vulgaris, Serratia marcescens, Shigella flexneri, Shigella sonnei, Staphylococcus aureus phage 80 & 81, Staphylococcus aureus – Methicillin-Resistant (MRSA), Staphylococcus epidermidis.

**VIRUCIDAL ACTIVITY: 10-minute** contact time**,** *Adenovirus Type 3, *Herpes simplex Type 1 Virus (Herpes), *HIV-1 (AIDS virus), *Influenza A/Texas Virus (Influenza), *Rubella (German Measles), *Vaccinia Virus (Pox Virus),Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

**FUNGICIDAL: 10-minute** contact time, Aspergillus flavus, Aspergillus fumigatus, Aspergillus glaucus var. tonophilus, Candida albicans, Trichophyton mentagrophytes

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