

USE DIRECTIONS

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

GENERAL CLEANING AND DEODORIZING DIRECTIONS

TO CLEAN AND DEODORIZE: Use LAST to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry. **CLEANING SOLUTION:** Use LAST for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications. **DEODORIZING DIRECTIONS:** Nursing Homes, Hospitals, Hotels, Schools. **RESTAURANTS:** Use in toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air, conditioner pans will eliminate odors.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> 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. Call poison control center or doctor for treatment advice.
IF ENHALED:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
IF ON SKIN:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. Harmful if swallowed and/or if absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

SEE BACK PANEL FOR:

Microorganism and ATCC Number

Storage / Disposal and Environmental Hazards

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.
Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

For industrial and commercial use packages:

Small Packages (1 gallon or less):

Storage and Disposal: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. Store in original, unopened containers at or below 25 C (77F). This product has a minimum shelf life of 12 months after date of shipment.

Pesticide Disposal:Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank and store/rinse for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

*Microorganism	ATCC Number
Staphylococcus aureus	6538
Pseudomonas aeruginosa	15442
Salmonella enterica	10708
Methicillin Resistant Staphylococcus aureus (MRSA)	33592
Avian Influenza A (H5N1)*	
Trichophyton mentagrophytes	9533

Cross-contamination is of major housekeeping concern. LAST has been formulated to aid in the reduction of cross-contamination on treated hard nonporous surfaces not only in hospitals, but in schools, institutions and industry.



LAST One-Step Disinfectant

Cleaner - Fungicide - Virucide* - Deodorizer - Bactericidal
For Homes, Restaurants, Hospitals, Schools and Industrial Use
EPA Reg. No. 75174-10-92233 EPA Est. No. 92232-TX-1

Active Ingredients:

Octyl decyl dimethyl ammonium chloride	0.0375%
Dioctyl dimethyl ammonium chloride	0.0150%
Didecyl dimethyl ammonium chloride	0.0225%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	0.0500%
3-(trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride*	0.3280%
[Other] [Nert] Ingredients	99.5470%
Total	100.0000%

*Active Ingredient is hydrolyzed to produce methanol. The final concentration of the active ingredient and methanol are:
 3-(triethoxysilyl) propyl dimethyl octadecyl ammonium chloride 0.299%
 Methanol approx. 0.066%

**KEEP OUT OF REACH OF CHILDREN
DANGER (PELIGRO)
Net Contents: 1 Gallon**



DISINFECTION / VIRUCIDAL* CONTROL DIRECTIONS

Apply use-solution to hard, nonporous non-food contact surfaces, thoroughly wetting surfaces with a sprayer. Treated surfaces must remain visibly wet for 10 minutes.

For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray.

Prepare a fresh solution daily or more often if the use solution becomes visibly diluted or soiled.

This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that is introduced directly into the human body, either into or in contact with the bloodstream or 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.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING MICROBIAL DEFENSE LABORATORIES AT PO BOX 730, SPRING BRANCH, TEXAS, 78070.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION: Microbial Defense Laboratories LLC, warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

MICROBIAL DEFENSE LABORATORIES SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY

Microbial Defense Laboratories PO BOX 730 Spring Branch, TX 78070

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. 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.

De-activation may be required during clean up if a spill occurs. De-activation of LAST can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of LAST.

LAST

Kills avian influenza A (H5N1) on hard, nonporous environmental surfaces • Kills fungi • Leaves a clean fresh scent • Provides long lasting freshness against tough pet odors such as odors from litter boxes and pet accidents. • Will not leave grit or soap scum. • LAST is an antimicrobial agent effective against odor causing bacteria. • LAST is an antimicrobial agent effective against odor causing mold and mildew. • LAST is an antimicrobial agent effective against mold and mildew. • Provides an invisible microbiostatic coating to inhibit the growth of algae. • Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, odor causing mold and mildew, and algae.

LAST as a Disinfectant

Delivers non-acid disinfectant and cleaning performance • Is a one-step Hospital Use disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal* including H5N1. • Kills Bacteria Viruses* Fungi on hard, nonporous environmental surfaces • Is a disinfectant for hard, nonporous nonfood contact surfaces in Veterinarian, Animal care and Farm Premise applications. • Tested using the AOAC method for hospital disinfectants.

Use LAST on hard, non-porous surfaces in: Clinics, Dental offices, Health Care Facilities, Hospitals, Medical Offices, Medical Related facilities, Nursing homes, Sick Rooms, Schools, Prisons, Locker Rooms, Veterinary Clinics, Day care centers, Nurseries, Athletic facilities, Business and office buildings, Colleges, Correctional facilities, Factories, Hotels, Zoos, Institutions, Kennels, Airplanes, Airports, Ambulances, Boats, Buses, Campers, Cars, Emergency vehicles, Ships, Transportation terminals.

ADDITIONAL GENERAL CLEANING AND DEODORIZING USES:

Mopping Solutions, Automatic Scrubbers: LAST eliminates undesirable odors. Laundry: Use LAST added during the final rinse cycle deodorizes all offensive odors. Air Freshener/Automotive Uses: LAST will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated. Carpets: Use LAST with shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry. RV Holding Tanks: Toilet waste: cover bottom of holding tank with water and add LAST to the tank. Kitchen waste: Add LAST to gray water tank as needed to control malodors created by dirty dish water. Pet Odors: Use LAST for urine, feces, and vomit, on sofas, upholstered chairs, carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.