

6836-165

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

DEC 20 2007

Georgia Anastasiou  
Agent  
Lewis and Harrison  
122 C Street, N.W., Suite 740  
Washington, D.C. 20001

Subject: Lonza Formulation L-7  
EPA Reg. No. 6836-165  
Application Dated: August 13, 2007  
Receipt Date: August 13, 2007

Dear Ms. Anastasiou,

The following amendment submitted in connection with registration under the section 3(c) (7) (a) of Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended is acceptable with conditions.

**Proposed Amendment**

- Update Label
- Add Staphylococcus aureus (MRSA)

**Data Summary**

Data Requirement	Means of Support	Status
<u>Staphylococcus aureus (MRSA)</u>	Submitted study-MRID 472057-01	acceptable@ 5:128 in 5% soil load for 10 minutes

CONCURRENCES						
SYMBOL	7910P					
IRNAME						
DATE	12/20/07					

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Conditions

Revise the label as follows:

1) Page two, the 8<sup>th</sup> and 26<sup>th</sup> marketing claims, revise the unqualified "germs" to read qualified "germs\*". In order to make an unqualified "germ" claim on a label, a product must have public health data developed using current EPA guidelines for all three of the major classes of organisms:

- Bacteria- meet the general purpose/broad spectrum disinfectant performance standard per EPA guidelines.
- Fungi- One pathogenic fungus (usually Trichophyton mentagrophytes) that is representative of the use sites listed for the product. Studies to be conducted according to EPA guidelines.
- Viruses- One enveloped and non-enveloped virus that is representative of the use sites for the product. Studies to be conducted according to EPA guidelines.
- The claim "germs" can be used without descriptors of the type of organism. No asterisk is required. The claim can appear on the front or back/side panel of a label. However, specific organisms must still be listed on the label.

Note: Refer to the CSPA Germs Letter (<http://www.epa.gov/oppad001/germs.htm>).

2) Page two, revise the following marketing statements so that it is in agreement with PR Notice 2000-5, Mandatory Language.

- 21<sup>st</sup> marketing claim, left column, "Lonza Formulation L-7 is for use with a mop and bucket, trigger sprays, sponge, or by soaking."
- 2<sup>nd</sup> marketing claim, right column, "Lonza Formulation L-7 is for non-scratch cleaning showers, and tubs, shower doors and curtains, fixtures and toilet bowls."
- 12<sup>th</sup> marketing claim, right column, "Lonza Formulation L-7 is for use in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using."
- 13<sup>th</sup> marketing claim, right column, "Lonza Formulation L-7 is for use on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms."
- 14<sup>th</sup> marketing claim, right column, "Lonza Formulation L-7 is for use in work areas such as tool rooms and garages for odor control and light duty cleaning."
- 15<sup>th</sup> marketing claim, right column, "Lonza Formulation L-7 is used to remove odors caused by flooding and smoke from fires."

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SYMBOL	7510 p						
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3) Page three, delete "mushroom farms", you must submit the following directions for use. It is not clear how to use the product.

**MUSHROOM FARM PREMISE USE:**

**Site Preparation:** The first step in any on-going sanitation program must be the removal of gross contamination and debris. This must be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

**Cleaning and Disinfection:** For general cleaning and disinfection, apply Lonza Formulation L-7 with a cloth, mop, sponge, sprayer, or by immersion to thoroughly wet the surfaces. Treated surfaces must be allowed to remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled areas, preclean first. Use fresh product for each use or more often if product becomes visibly diluted, clouded or soiled.

**DO NOT APPLY USE SOLUTION TO THE MUSHROOM CROP, COMPOST OR CASING.** Rinse treated surfaces with potable water before they contact the crop, compost or casing.

4) Page three, delete "foot spas", you must submit separate directions which are required for "foot spas".

5) Page four, revise the following marketing statements to read:  
(Refer to the Mandatory Language of PR Notice 2000-5)

- It is for use on nonporous surfaces such as walls, tables, floors, chairs.... Other similar surfaces.
- Lonza Formulation L-7 is for use in hospitals, homes, medical and dental offices.
- Lonza Formulation L-7 is for use on washable hard non-porous surfaces, countertops, stovetops, exhaust fans....."

6) Page four, delete "leather" for this is not a hard non-porous surface. Refer to DSS/TSS 15

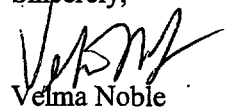
7) Page eight, correct the typographical error "includes" from the following statement to read: "(Only if the label does not include household/residential use)" from both sets of the Storage and Disposal directions.

**General Comments**

A stamped copy of the acceptable with comments labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch 1  
Antimicrobial Division  
(7510p)

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**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**DANGER.** Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield or safety glasses) and protective gloves (rubber, chemical resistant) when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**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 the 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 the 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 a Poison Control Center or doctor or going for treatment.

*(If container size is 5 gallons or greater, use the following Environmental Hazards statements:)*

**ENVIRONMENTAL HAZARDS**

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.

**LONZA FORMULATION L-7**

Disinfectant - Deodorant - Cleaner

Multi-Purpose Odor Counteractant Cleaner

Kills *Pseudomonas*, *Salmonella* and *Staphylococcus*

Virucidal\*

Citrus / Floral / Pine / Mint / Lemon / Eucalyptus / Fresh / Clean (Scent)(Odor)(Fragrance)

Active Ingredient:

Alkyl (C <sub>14</sub> 58%, C <sub>16</sub> 28%, C <sub>12</sub> 14%) dimethyl benzyl ammonium chloride.....	2.00%
Other Ingredients .....	98.00%
Total .....	100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

PELIGRO:

Si no sabe inglés, pida instrucciones a su supervisor antes de usar este producto.

SEE LEFT / SIDE / RIGHT / BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND FIRST AID

EPA Reg. No. 6836-165

EPA Est. No. (as indicated on container)

Net Contents (as indicated on container)

Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 20 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg.

6836-165

(Note to reviewer: The following is considered optional marketing language.)

For use in households.  
 For residential use. For use in homes.  
 For use all around the house. Easy to Use!  
 Cleans (Cleaner)  
 Deodorizes (Deodorizer)  
 Disinfects (Disinfectant)  
 Concentrate (Concentrated)  
 Kills many household germs  
 Removes Ugly Mildew Stains!  
 Eliminates odors.  
 Eliminates pet odors. Destroys odors!  
 Contains no dyes. (for dye free formulas only)  
 No dyes added. Dye-free. (for dye free formulas only)  
 Concentrate - Makes 25 gallons at 5 oz. per gallon (for one gallon size only)  
 Concentrated - Makes up to 32 gallons at 4 oz./gallon (for one-gallon size only).  
 This product contains no (phosphates) (or) phosphorous (compounds).

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **Lonza Formulation L-7** has been formulated to aid in the reduction of cross-contamination in these areas.

When used as directed, **Lonza Formulation L-7** will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

**Lonza Formulation L-7** reduces the surface tension of water, improving its wettability. Microbes are capable of mass reproduction in sub-visible pores and cracks of surfaces. The excellent wettability of **Lonza Formulation L-7** improves the penetration of the use solution into areas that otherwise might not be reached.

**Lonza Formulation L-7** is effective against a wide variety of gram positive and gram-negative bacteria. It is also an excellent deodorant and is especially effective in controlling odors that are bacterial in origin and has a pleasant lemon (mint) odor.

**Lonza Formulation L-7** mixes with water to form clear, stable use solutions. Use solutions are non-corrosive and non-staining to plastic, vinyl, synthetics, enamel, glazed tile and most common metals.

**Lonza Formulation L-7** can be used with a mop and bucket, trigger sprayers, sponge, or by soaking.

**Lonza Formulation L-7** provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

**Lonza Formulation L-7** improves labor results by effectively controlling odors.

**Lonza Formulation L-7** provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

**Lonza Formulation L-7**  
 EPA Reg. No. 6836-165  
 EPA Draft 6-21-07

**Lonza Formulation L-7** cleans, shines, deodorizes and disinfects all precleaned nonporous household surfaces, inhibits the growth of mold and mildew, leaving surfaces in the house including bathrooms & kitchens clean and smelling fresh.

**Lonza Formulation L-7** is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures, and toilet bowls.

**Lonza Formulation L-7** is for use in kitchens, bathrooms and other household areas.

**Lonza Formulation L-7** is for use in Ultrasonic baths.

**Lonza Formulation L-7** is for use in Whirlpool bathtubs

**Lonza Formulation L-7** kills household germs; effective against *Pseudomonas aeruginosa* (*pseudomonas*), *Staphylococcus aureus* (*staph*) and *Streptococcus pyogenes* (*strep*), and Influenza A/Brazil.

**Lonza Formulation L-7** is a neutral pH multi-surface cleaner, and deodorizer.

Use **Lonza Formulation L-7** on the multi-touch surfaces responsible for cross-contamination.

Use **Lonza Formulation L-7** on finished floors, high speed burnished floors, conductive flooring, tables, chairs, bathroom bowls, basins, counter tops, bed rails, door knobs and handles, glass surfaces including windows and mirrors.

**Lonza Formulation L-7** is a balanced formulation combining Lonza's true odor counteractants, a non-ionic synthetic detergent, a quaternary ammonium compound, chelating agents and synergizing builders...for effective cleaning, and deodorizing when used as directed.

**Lonza Formulation L-7** is effective at controlling mold and mildew odor on mattresses, pillows and shower curtains.

**Lonza Formulation L-7** can be used in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using.

**Lonza Formulation L-7** may be used on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms.

**Lonza Formulation L-7** may be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

**Lonza Formulation L-7** may be used to remove odors caused by flooding and smoke from fires.

**Lonza Formulation L-7** leaves a clean fresh scent.

(Note to reviewer: The following is considered optional marketing language.)

**(AREAS OF USE:)**

Use Lonza Formulation L-7 in:

- Bathrooms
- Homes [Households]
- Kitchens
  
- Dental offices
- Health Care Facilities
- Hospitals
- Medical Offices
- Nursing homes
  
- Day care centers
- Nurseries
  
- Bars
- Cafeterias
- Convenience stores
- Food processing plants
- Food storage areas
- Institutional kitchens
- Restaurants
- USDA inspected food processing facilities
  
- Athletic facilities
- Barber shops
- Business and office buildings
- Colleges
- Correctional facilities
- Dressing rooms
- Exercise facilities
- Factories
- Hotels
- Institutional facilities
- Institutions
- Locker rooms
- Motels
- Prisons
- Public facilities
- Public rest rooms
- Schools
- Shower and bath areas
- Salons [Beauty]
- Tanning Salons
  
- Camp grounds
- Play ground equipment

- Animal laboratories
- Dairy farms
- Farms
- Hog farms
- Kennels
- Mushroom Farms
- Poultry farms
- Pet animal quarters
- Pet shops
- Turkey farms
- Zoos

- Airplanes
- Airports
- Boats
- Buses
- Campers
- Cars
- Emergency vehicles
- Mobile homes
- Ships
- Taxis
- Trailers
- Trains
- Transportation terminals

**(TYPES OF SURFACES:)**

Use Lonza Formulation L-7 on washable hard, nonporous surfaces of:

- Appliances, exteriors of
- Bathroom fixtures
- Bathtubs [Fiberglass]
- Cabinets
- Cages
- Chairs
- Coils and drain pans of air conditioning and refrigeration equipment and heat pumps
- Conductive flooring
- Counters [countertops]
- Countertop laminates
- Desks
- Doorknobs
- Floors
- Foot Spas
- Garbage cans
- Highchairs
- Kennel runs
- Microwave ovens, exteriors of
- Outdoor [patio] furniture except cushions and wood frames.
- Refrigerators, exteriors of
- Refrigerated storage and display equipment

- Showers
- Shower stalls [Fiberglass]
- Sinks [bathroom] [kitchen] [Fiberglass]
- Stoves [stovetops]
- Tables [Non-wooden picnic tables]
- Tanning beds
- Telephones
- Toilets
- Toilet bowls
- Toilet bowl surfaces
- Tubs [Fiberglass]
- Tiles, glazed
- Ultrasonic baths
- Urinals
- Walls
- Whirlpool bathtubs

- Other hard nonporous surfaces made of:
- Glazed ceramic
- Glazed enameled surfaces
- Glazed porcelain
- Laminated surfaces
- Metal
- Plastic (such as polystyrene or polypropylene)
- Sealed stone
- Stainless steel
- Upholstery, vinyl and plastic
- Woodwork, finished

- Non-critical medical device surfaces:
- Beds [Medical] [Hospital]
- Bed frames
- Bed rails
- Crutches
- Non-critical [hospital] [medical] equipment surfaces
- [Medical] Examining tables
- [Medical] [Hospital] Lamps
- [Medical] [Hospital] Scales
- Stands
- Stethoscopes
- Walkers
- Wheel chairs

(Note to reviewer: The following is considered optional marketing language.)

**Lonza Formulation L-7** is intended primarily as a premium cleaner where disinfection and true odor counteraction are also indicated. It is excellent for washing hard nonporous surfaces such as glazed porcelain, glazed tile, glass, stainless steel, chrome, rubber, plastic, metal, and does not damage washable painted, varnished or lacquered surfaces. It can be used on nonporous surfaces such as walls, tables, floors, chairs, counter tops, bathroom fixtures, sinks, shelves, racks, carts, exterior surfaces of refrigerators, and other similar surfaces. Because **Lonza Formulation L-7** rinses spot-free, it is particularly suitable for linoleum, rubber sealed cork, vinyl and asphalt tile floors. It has outstanding rinsing qualities and is an excellent cleaner for marble or terrazzo.

**Lonza Formulation L-7** is recommended for use on conductive flooring. For other specialized cleaning and disinfecting operations, consult your local (**Company**) representative.

**Lonza Formulation L-7** may be used in (Areas of Use): hospitals, homes, medical and dental offices, nursing homes, day care centers, nurseries, restaurants, restaurants and bars, cafeterias, institutional kitchens, food storage areas, institutional facilities, public rest rooms, institutions, offices, schools, athletic facilities, beauty salons, camp grounds, play grounds, public facilities, farms, food processing plants, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes, health care facilities, colleges, veterinary clinics, animal life science laboratories, industrial facilities, recreational facilities, retail and wholesale establishments.

**Lonza Formulation L-7** may be used on the following washable hard nonporous surfaces: countertops, stovetops, exhaust fans, sinks, appliances, exterior surfaces of refrigerators, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, washable walls, cabinets, doorknobs, (fiberglass) shower stalls, (fiberglass) tubs and glazed tiles, toilets, glazed porcelain tiling, garbage cans, stainless steel, enameled surfaces, finished woodwork, Formica®, vinyl, leather and plastic upholstery, bathtubs, (fiberglass) shower stalls, sinks, urinals, toilet bowls, toilet bowl surfaces, related fixtures, walls, floors and hard nonporous surfaces made of metal, stainless steel, glazed porcelain, glazed ceramic, sealed stone and plastic.

**Lonza Formulation L-7** kills common germs such as Escherichia coli (E. coli), Staphylococcus aureus (Staph), Salmonella choleraesuis (Salmonella), Streptococcus pyogenes (Strep) and Influenza A/Brazil (Influenza) on pre-cleaned environmental surfaces. Prevents the growth of odor causing bacteria.

**Lonza Formulation L-7** is a Hospital Disinfectant for pre-cleaned surfaces at 5 ounces per gallon; is Bactericidal according to the AOAC Use-Dilution Test method, Virucidal\* according to the virucidal qualification, a Mildewstat according to Mildewstat guidelines, against:

- (Bacteria:)
- Pseudomonas aeruginosa (Pseudomonas)
- Salmonella enterica (Salmonella)
- Staphylococcus aureus (Staph)
- Enterobacter aerogenes
- Escherichia coli (E. coli)
- Shigella sonnei
- Streptococcus pyogenes (Strep)
- Staphylococcus aureus - Methicillin-Resistant [MRSA]

- (\*Viruses:)
- \*Herpes Simplex Type 2
- \*HIV-1 (AIDS Virus)
- \*Influenza A/Brazil (Influenza)

- (Fungi:)
- Aspergillus niger
- Candida albicans

**Lonza Formulation L-7** neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.

**Lonza Formulation L-7** controls (reduces)(eliminates) (neutralizes)(destroys) odors to make your home (kitchen) (bathroom) sanitary.

**Lonza Formulation L-7** is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

**Lonza Formulation L-7** is effective against household germs and odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

**Directions for Use**

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

**Preparation of use-solution:**

Add 5 oz. per gallon of water, to disinfect hard, precleaned nonporous surfaces.

**Disinfection/\*Virucidal Directions:**

Remove gross filth or heavy soil, then thoroughly clean surfaces. Apply use-solution to hard nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, or sprayer.

For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Avoid breathing spray.

Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth or sponge or let air dry.

Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware or dishes.

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

*(Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used:)*

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.

*(or)*

This product is not for use on medical device surfaces.

**Non-Acid Toilet Bowl Disinfectant/Cleanser Directions:**

Remove gross filth prior to disinfection.

**From concentrate:**

Add 5 oz. to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim and flush. Repeat for disinfection and allow to stand for 10 minutes and flush.

**From use-solution:**

Empty toilet bowl or urinal and apply a 5 oz./gal. use-solution to exposed surfaces including under the rim with a cloth, mop, sponge, or sprayer. Brush thoroughly over exposed surfaces including under the rim and flush. Repeat for disinfection and allow to stand for 10 minutes and flush.

**\*KILLS HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings 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 (HIV-1) (associated with AIDS).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** Clean-up should always be done wearing protective latex gloves, gowns, masks and eye protection.

**CLEANING PROCEDURE:** Blood and other body fluids containing HIV must be thoroughly cleaned from surfaces and objects before application of **LONZA FORMULATION L-7.**

**CONTACT TIME:** Leave surface wet for 1 minute (60 seconds) Use a 10 minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

**DISPOSAL OF INFECTIOUS MATERIAL:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**ULTRASONIC BATH DISINFECTANT DIRECTIONS:**

Use **LONZA FORMULATION L-7** to disinfect hard nonporous, non-critical objects compatible with Ultrasonic cleaning units.

Preclean soiled objects. Pour fresh use-solution of 5 oz. per gallon of water directly into bath chamber. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions.

Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

**DISINFECTION OF WHIRLPOOL UNITS:**

After using the whirlpool unit, drain, preclean and refill with fresh water to just cover the intake valve. Add 5 oz. of **Lonza Formulation L-7** for each gallon of fresh water added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair lift and any related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse the disinfected surfaces with fresh water.



**Veterinary Practice / Animal Care / Animal Laboratory / Zoos / Pet Shop / Kennels Disinfection Directions:**

For cleaning and disinfecting hard nonporous surfaces including equipment, utensils, instruments, cages, kennels, stables, catteries, etc. 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 5 oz. of **LONZA FORMULATION L-7** 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 treated equipment used for watering and feeding (feeding racks, mangers, troughs, automatic feeders, fountains, waterers) 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.

**Farm Premise Use:**

Remove all animals and feed from premises, vehicles and enclosures. 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. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 5 oz. of **LONZA FORMULATION L-7** per gallon of water (or equivalent dilution) for a period of 10 minutes. Wipe or allow to air dry. 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. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. Ventilate buildings, cars, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried.

**Barber and Beauty Salon Instrument and Tool Directions:**

Use 5 oz. of this product per gallon of water. Completely immerse precleaned brushes, combs, scissors, clipper blades, razors, manicure implements, and other nonporous instruments so that surfaces remain wet for 10 minutes. Rinse thoroughly and dry before use. Change solution daily or when visibly dirty.

**Note:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

**To Clean and Deodorize or to Preclean Prior to Disinfection:** Depending on the soil level of the area to be cleaned, use 12 - 16 oz. of **Lonza Formulation L-7** per gallon of water. Rub with brush, sponge or cloth. Wipe dry with a clean cloth or sponge or let air dry.

**For Deodorizing** garbage cans, garbage trucks, industrial waste receptacles and garbage handling equipment: It is especially important to preclean for the product to perform properly. Then, apply a wetting concentration of 16 - 32 oz. of **Lonza Formulation L-7** per gallon of water.

**For Mildew Control:** Follow directions for Disinfection. Repeat treatment every seven days or when new growth appears.

**To Control Odor on Musty Bedding and Linens:** Add 32 ounces of **Lonza Formulation L-7** to the final rinse water of a full size washer for each load of laundry.

**For Mildew Stains:** Use 16 oz. of **Lonza Formulation L-7** per gallon of water to effectively remove mildew stains and odors. Follow directions for "To Clean and Deodorize".

**For Odors Caused by Flooding and Smoke:** Use 32 oz. of **Lonza Formulation L-7** per gallon of water. Follow directions for "To Clean and Deodorize".

**For Odors Caused by Dogs, Cats and Other Domestic Animals:** Use on rugs, floors, walls, tile, cages, crates, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "To Clean and Deodorize" or "Pet Odors" as appropriate.

**Directions for Food Processing Plants:** Use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed or carefully protected. Then follow the "Disinfection Directions".

**Directions for Food Storage Areas:** Use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed or carefully protected. Then follow the "Disinfection Directions".

This Industrial Liquid Odor Destroyer Leaves No Residue and has a Multitude of Uses: Odor removal from urine, mildew, smoke, pets, sewage backup, and decaying organic matter, instant action air freshener.

**Lonza Formulation L-7** is effective at eliminating odors on porous surfaces such as upholstery, drapes, carpets, bedding, shower curtains, mattresses and non-porous surfaces such as walls and floors. Excellent for fire restoration.

Other suggested Uses: Homes, Veterinary Clinics, Fish Markets, Kennels, Trash Compactors, Offices, Beauty Salons, Locker Rooms, Health Spas, Conference rooms, Elevators, Smoking Areas, Lounges, Day Care Centers, Dry Cleaners, Theaters, Farms, Auditoriums and Churches.

**Deodorizing directions:**

**Nursing Homes, Hospitals, Hotels, Schools, Restaurants:** 2 - 4 ounces in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**Mopping Solutions, Automatic Scrubbers:** 4 - 8 ounces per gallon of cleaning solution eliminates undesirable odors.

**Laundry:** 4 - 8 ounces per load added during the final rinse cycle deodorizes all offensive odors.

**Air Freshener/Automotive Uses:** 22 ounces per gallon of water or desired concentration will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors (garlic, fish, onions, etc.). Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**Carpets:** 4 - 8 ounces per gallon of 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 3 - 6 ounces. If odors return before time to empty, simply add 1 - 2 ounces to the tank. Kitchen waste: 1 - 2 ounces of **Lonza Formulation L-7** to gray water tank as needed to control malodors created by dirty dish water.

**Pet Odors:** Use 32 ounces per gallon of water or desired concentration, for urine, feces, and vomit, in 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.

**Sewage Backup, Water Damage:** 16 ounces per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**Cleaning Solution:** Dilute 4 - 8 ounces per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

(Note to reviewer: If the container size is one gallon or less, the following storage and disposal statements will be used:)

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Offer for recycling if available or discard in trash.

(Note to Reviewer: For Nonrefillable Containers.)

Nonrefillable container

(Note to reviewer. One of the following statements must be used for Nonrefillable Containers.)

Do not reuse or refill this container

OR

(Only if the label includes does not include household/residential use)

Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

(Note to reviewer. One of the following statements must be used for Refillable Containers.)

Refillable Container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

OR

Refillable Container. Refill this container with [this product] only. Do not reuse this container for any other purpose."

(Note to reviewer: If container is greater than one gallon, the following storage and disposal statements will be used:)

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Do not store on side. Avoid creasing or impacting of side walls.

**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:**

[Insert statements from below.]

(Plastic Containers:) Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

(Metal Containers:) Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(For Bag-in-Box Containers:) Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(Note to Reviewer: For Nonrefillable Containers.)

Nonrefillable container

(Note to reviewer. One of the following statements must be used for Nonrefillable Containers.)

Do not reuse or refill this container

OR

(Only if the label includes does not include household/residential use)

Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

(Note to reviewer. One of the following statements must be used for Refillable Containers.)

Refillable Container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

OR

Refillable Container. Refill this container with [this product] only. Do not reuse this container for any other purpose.