

pm 31

6836-165

8/20/97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Lonza Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

AUG 20 1997

Attention: Eliot I. Harrison

Subject: Lonza Formulation L-7  
EPA Registration No. 6836-165  
Your Submission Dated July 14, 1997

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, will be acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended label.

Under the section labeled for Lonza Formulation L-7 as a Hospital Disinfectant, correct "Candida niger" to "Candida albicans".

A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, please contact Julie Fairfax at (703) 308-9086.

Sincerely yours,



Velma Noble  
Acting Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510W)

7510W:J.Fairfax:8/17/97

CONCURRENCES						
SYMBOL	7510W					
SURNAME	J. Fairfax					
DATE	8/17/97					

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**Precautionary Statements**  
**Hazards to Humans and Domestic Animals**

**WARNING**

Keep out of reach of children. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

(If container size is 5 gallons or less, use the following Environmental Hazards statement)

**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.

**STATEMENT OF PRACTICAL TREATMENT**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**STORAGE AND DISPOSAL**

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

(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.

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

(If container is one gallon or less, use this container disposal statement.)

Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

**LONZA**  
**Formulation**

**L-7**

Lemon (Eucalyptus) Odor-Disinfectant-Deodorant  
Multi-Purpose Odor Counteractant Cleaner  
Kills Pseudomonas, Salmonella and Staphylococcus  
Virucidal

Active Ingredient

Alkyl (C14 58%, C16 28%, C12 14%) dimethyl benzyl ammonium chloride	2.00%
<u>Inert Ingredients</u>	98.00%
Total Ingredients	100.00%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

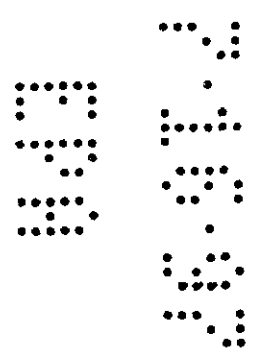
ADVERTENCIA:  
Si no sabe inglés,  
pida instrucciones a su supervisor  
antes de usar este producto.

**SEE LEFT PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

EPA Registration No ..... 6836-165  
EPA Establishment No ..... 6836-IL-1  
Net Contents .....

Manufactured by:  
LONZA, INC., 17-17 Route 208, Fair Lawn, NJ 07410

ACCEPTED  
with COMMENTS  
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Under the Federal Insecticide,  
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For use in households.

Eliminates odors.

Contains no dyes.

Biodegradable.

Concentrated - Makes up to 42 gallons.

Original Scent: Eucalyptus and 67 exotic wild flowers.

This product contains no phosphorous.

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 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, 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** maximizes labor results by effectively controlling odors.

**Lonza Formulation L-7** Cleans, shines, deodorizes and disinfects all pre-cleaned non-porous household surfaces, inhibits the growth of mold and mildew, leaving 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** kills household germs in minutes; effective against harmful pseudomonas, staph and 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.

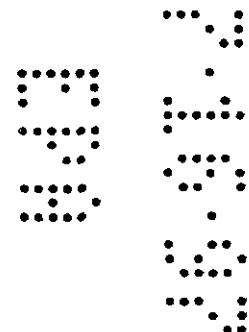
Use **Lonza Formulation L-7** on finished floors, high speed burnished floors, conductive flooring, tables, chairs, bathroom bowls, basins, counter tops, bed rails, door knobs and handles, glass surfaces including windows and mirrors.

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

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

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**Lonza Formulation L-7** is intended primarily as a heavy duty cleaner where true odor counteraction are also indicated. It is unexcelled for washing hard non-porous surfaces such as porcelain, tile, glass, stainless steel, chrome, rubber, plastic, metal, and does not damage washable painted, varnished or lacquered surfaces. It can be used on non-porous surfaces such as walls, tables, floors, chairs, counter tops, bathroom fixtures, sinks, bed frames, shelves, racks, carts, 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 superior 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.

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. Affected areas should be saturated with enough **Lonza Formulation L-7** to remain damp for at least ten minutes. Excellent for fire restoration.

**Lonza Formulation L-7** may be used in 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, schools, athletic facilities, camp grounds, play grounds, public facilities, food processing plants, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, churches, cars, buses, trains, taxis, airplanes.

**Lonza Formulation L-7** may be used on washable hard non-porous surfaces including countertops, stovetops, exhaust fans, sinks, appliances, refrigerators, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, bed frames, washable walls, cabinets, doorknobs, baby toys, telephones, shower stalls, tubs and tiles, toilets, portable toilets, porcelain tiling, garbage cans, stainless steel, enameled surfaces, woodwork, formica, vinyl, leather and plastic upholstery, bathtubs, shower stalls, sinks, urinals, toilet bowls, toilet bowl surfaces, related fixtures, walls, floors and other hard non-porous surfaces (such as metal, stainless steel, glazed porcelain, ceramic, fiberglass, stone and plastic).

Other suggested Uses include: Homes, Veterinary Clinics, Sewage Treatment Plants, 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.

**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, Mildewstat according to the EPA Mildewstat guidelines, against:

*Pseudomonas aeruginosa*  
*Salmonella choleraesuis*  
*Staphylococcus aureus*  
*Enterobacter aerogenes*  
*Escherichia coli*  
*Shigella sonnei*  
*Streptococcus pyogenes*

*Aspergillus niger*  
*Candida niger*

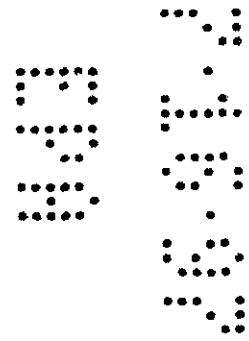
Herpes Simplex Type 2  
Influenza A/Brazil

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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 pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.



**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, pre-cleaned non-porous surfaces.  
For heavy duty use, add 7 oz. per gallon of water, to disinfect hard, pre-cleaned non-porous surfaces.

**Disinfection/\*Virucidal/Mold and Mildew Control direction:**

Remove gross filth or heavy soil, then thoroughly clean surfaces. Apply **use-solution** to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, 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. Do not breathe spray mist.

Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use solution becomes visibly dirty.

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

**Directions:**

**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.

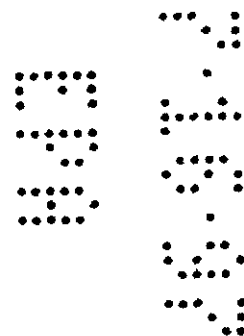
**Instrument and Tool Directions:**

Use 5 ounces of this product per gallon of water. Completely immerse pre-cleaned combs, brushes, scissors, clipper blades, razors, manicure implements, and other non-porous 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.

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**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 (1 part Lonza Formulation L-7 to 5 parts of water) 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:** 32 ounces per gallon of water (1 part Lonza Formulation L-7 to 3 parts of water) 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.

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