

6836-72

01-30-1991

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JAN 30 1991

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

Attention: Joseph R. Robinson

Gentlemen:

Subject: Lonza Formulation S-37  
EPA Registration No. 6836-72  
Your Amendment Dated October 15, 1990

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Under the "Non-Acid Toilet Bowl Disinfectant/Cleaner Application," revise "Brush over exposure surfaces . . ." to read "Brush over exposure surfaces and under the rim . . . ."
  - b. Under item 2, after the wording ". . . to exposed surfaces with a cloth, mop, sponge or mechanical spray" to read ". . . to exposed surfaces including under the rim with a cloth, mop, sponge or mechanical spray."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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## CONCURRENCES

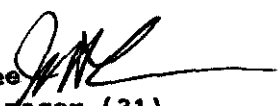
SYMBOL							
SURNAME							
DATE							

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A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha L. DeLaney at (703) 557-6982.

Sincerely yours,

John H. Lee   
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosure

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. LONZA FORMULATION S-37 has been formulated to aid in the reduction of cross-contamination in these areas. LONZA FORMULATION S-37 is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and bactericidal; the growth of mold and mildew and their odors when used as directed. LONZA FORMULATION S-37 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, LONZA FORMULATION S-37 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 mal odors.

### Precautionary Statements

Hazard to Humans and Domestic Animals

## DANGER

Keep Out of Reach of Children. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

### Storage and Disposal

- Do not contaminate water, food, or feed by storage 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 or mixture of 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

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.

Metal Container: Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. (If container is 1 gallon or less, use this container disposal statement.)

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

ACCEPTED with COMMENTS in EPA Letter dated: JAN 30 1991

# LONZA

## FORMULATION S-37

Disinfectant-Cleaner-Sanitizer, Fungicide-Mildewstat-Virucide-Deodorizer with Organic Soil Tolerance for Hospitals, Institutional and Industrial Use

6836-72

### Active Ingredients

Octyl decyl dimethyl ammonium chloride	2.10%
Dioctyl dimethyl ammonium chloride	0.84%
Didecyl dimethyl ammonium chloride	1.26%
Alkyl (C <sub>12</sub> , 50%; C <sub>14</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride	2.80%

### Inert Ingredients

93.00%
100.00%

KEEP OUT OF REACH OF CHILDREN

## DANGER

### 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

### SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No.	6836-72
EPA Establishment No.	6836-IL-1
Net Contents	

### MANUFACTURED BY:

LONZA INC., 17-17 Route 208, Fair Lawn, N.J. 07410

### DIRECTIONS FOR USE

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

LONZA FORMULATION S-37 is a proven 'one-step' cleaner-disinfectant-sanitizer-fungicide-mildewstat-virucide in the presence of moderate amounts of organic soil. Apply LONZA FORMULATION S-37 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, tile, porcelain, toilet bowls, urinals, sinks and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use-solution becomes visibly dirty. Disinfection - to disinfect hard, non-porous surfaces, add 1 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION S-37 has been evaluated in the presence of 5% serum by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Salmonella choleraesuis</i>
<i>Staphylococcus aureus</i>	<i>Streptococcus faecalis</i>
<i>Salmonella choleraesuis</i>	<i>Shigella dysenteriae</i>
<i>Escherichia coli</i>	<i>Brevibacterium ammoniagenes</i>
<i>Streptococcus pyogenes</i>	<i>Serratia marcescens</i>
<i>Proteus mirabilis</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Pseudomonas cepacia</i>
<i>Enterobacter aerogenes</i>	

**Non-Acid Toilet Bowl Disinfectant/Cleaner Application**  
1. Add 0.75 oz. to the bowl (0.75 gallon) and mix. Brush over exposed surfaces, allow to stand for 10 minutes and flush.  
2. Empty toilet bowl or urinal and apply a 1 oz./gal. use-solution to exposed surfaces with a cloth, mop, sponge or mechanical spray.

**Fungicidal Performance**  
LONZA FORMULATION S-37 is an effective fungicide against *Dichophyton menisporphytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, at 1 oz./gallon.

**Mold and Mildew Control.**  
At 1 oz./gallon, LONZA FORMULATION S-37 will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

**Virucidal Performance**  
At 1 oz. per gallon use level, LONZA FORMULATION S-37 was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A/Brazil, Herpes Simplex Types 1 and 2 and Vaccinia on inanimate hard non-porous environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces** (such as floors, walls, tables, etc.). At 1 oz. per 35 gallon use-level, LONZA FORMULATION S-37 is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on porous and non-porous environmental surfaces. Treated surface must remain wet for 2 minutes.