

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 will prevent 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

#### Hazards 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 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 on side walls.

#### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. In proper 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 fill 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 1 gallon or less, use this container disposal statement: Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

## LONZA FORMULATION S-37

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

#### Active Ingredients

Octyl Decyl Dimethyl Ammonium Chloride	2.10%
Dioctyl Dimethyl Ammonium Chloride	1.05%
Didecyl Dimethyl Ammonium Chloride	1.05%
Alkyl (C <sub>14</sub> , 50%, C <sub>12</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., 22-10 Route 266, Fair Lawn, N.J. 07410

RECOMMENDATIONS

For use on hard surfaces

6836-72

JUN 26 1994

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#### Directions for Use

#### GENERAL CLASSIFICATION

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, 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:

*Pseudomonas aeruginosa*  
*Staphylococcus aureus*  
*Salmonella choleraesuis*  
*Escherichia coli*  
*Streptococcus pyogenes*  
*Proteus mirabilis*  
*Klebsiella pneumoniae*  
*Enterobacter aerogenes*  
*Salmonella schottmuelieri*  
*Streptococcus faecalis*  
*Shigella dysenteriae*  
*Brevibacterium ammoniagenes*  
*Serratia marcescens*  
*Salmonella typhi*

#### Fungicidal Performance

**LONZA FORMULATION S-37** is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc. 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 I and II and Vaccinia on inanimate environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces** (such as floors, walls, tables, etc.): At 1 oz per 3.5 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.

BEST DOCUMENT AVAILABLE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

BEST DOCUMENT AVAILABLE

26 JUN 1984

Lonza, Inc.  
22-10 Route 208  
Fair Lawn, NJ 07410

Attention: Joseph A. Conti  
Manager, Governmental Relations

Gentlemen:

Subject: Lonza Formulation S-37  
EPA Registration No. 6836-72  
Your Amendment Dated May 31, 1984

The amendment referred to above, submitted in connection with registration under 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. The statement: For sale for use and storage by Maintenance personnel only, must be retained on the label.
- b. Revise the statement: "...viruses: Influenza A/Brazil, Herpes Simplex I and II and Vaccinia on inanimate environmental surfaces." to read:  
  
"...viruses: Influenza A/Brazil, Herpes simplex Type 1 and Type 2, and Vaccinia on inanimate hard nonporous environmental surfaces.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

Your release for shipment of the product labeling constitutes acceptance of these conditions.

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

Note for your records that the virucidal data submitted was previously reviewed. In addition, the Bardac 205M matrix (not requested) was not required for this type of amendment. It will not be reviewed at this time ~~but~~ only placed into your file.

Sincerely yours,

John H. Lee

CONCURRENCE Manager (31)

SYMBOL							
SURNAME							
Enclosure							
DATE							

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY

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