

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry LONZA FORMULATION 70-12 is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination from environmental surfaces.

When used as directed, LONZA FORMULATION 70-12 will deodorize toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and will inhibit the growth of mold and mildew and their odors when used as directed.

This product is economical to use because it is highly concentrated and should be handled with care.

**Precautionary Statements**

**Hazards to Humans and domestic animals**

**DANGER**

Keep out of reach of children. Corrosive. Causes severe 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 or 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 in incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If container is to be recycled, use this container designation. Do not reuse empty container. Wash and reuse. Do not reuse empty container. Wash and reuse. Do not reuse empty container. Wash and reuse.

**LC IZA FORMULATION 70 12**

Highly Concentrated Germicide  
Based on a Unique Blend of Quaternaries  
with Organic Soil Load Tolerance

Disinfectant-Cleaner-Sanitizer-Fungicide  
Mildewstat-Virucide\*—Deodorizer for Hospitals  
Institutional and Industrial Use

**Active Ingredients**

Octyl Decyl Dimethyl Ammonium Chloride	3.750%
Dioctyl Dimethyl Ammonium Chloride	1.875%
Didecyl Dimethyl Ammonium Chloride	1.875%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%)	
Dimethyl Benzyl Ammonium Chloride	5.000%

**Inert Ingredients**

87.500%  
100.000%

**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. 6836-33**  
**EPA Establishment No. 6836-IL-1**  
**Net Contents**

MANUFACTURED BY:  
**LONZA INC., 22-10 Route 208, Fair Lawn, N.J. 07410**

ACCEPTED  
with COMMENTS  
by EPA on 6/26/84  
JUN 26 1984

BEST DOCUMENT AVAILABLE

**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 70-12 is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-virucide in the presence of moderate amounts of organic soil.

Apply LONZA FORMULATION 70-12 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, 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 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use-level, LONZA FORMULATION 70-12 is also virucidal and fungicidal.

**Sanitizing**—To sanitize porous or non-porous, non-food contact surfaces, add 1/4 oz. per gallon of water.

1/2 oz. per gallon use-level. The broad spectrum activity of LONZA FORMULATION 70-12 has been evaluated in the presence of 5% serum and found to be effective against the following by the AOAC Use-Dilution Test:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Salmonella schottmuelleri
- Streptococcus faecalis
- Shigella dysenteriae
- Brevibacterium ammonigenes

**AOAC Fungicidal Test**

LONZA FORMULATION 70-12 is effective against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, etc.

**Mildewstatic Performance.** At 1/2 oz./gallon, LONZA FORMULATION 70-12 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 1/2 oz. per gallon use-level, LONZA FORMULATION 70-12 was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A2, Herpes Simplex Types I and II and Vaccinia on inanimate environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.)** At 1/4 oz. per 2 gallon use-level, 30 second contact time LONZA FORMULATION 70-12 is an effective sanitizing agent in waters of up to 600 ppm hardness against Staphylococcus aureus and Klebsiella pneumoniae in the presence of 5% serum on porous and non-porous environmental surfaces.

registered under EPA Reg. No. 6836-33

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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26 JUN 1984

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

Attention: Joseph A. Conti  
Manager, Governmental Relations

Gentlemen:

Subject: Lonza Formulation 70-12  
EPA Registration No. 6836-33  
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<sub>2</sub>, Herpes Simplex Types I and II and Vaccinia on inanimate environmental surfaces," to read:  
  
"...viruses: Influenza A<sub>2</sub>/Hong Kong, Herpes simplex Type 1 and Type 2, 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,

CONCERNES Lee						
SYMBOL				Product Manager (31)		
SURNAME				Disinfectants Branch		
DATE	Enclosure			Registration Division (IS-767C)		