

JUL 28 1991

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

Attention: John Pazdera

Gentlemen:

Subject: Lonza Formulation 70-12
EPA Registration No. 6836-33
Your Amendment Dated April 9, 1991

The amendment referred to above, submitted in connection with registration under FIFPA, 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 heading "Non-Acid Toilet Bowl Disinfectant/Cleaner," revise "Brush over exposed surfaces . . ." to read "Brush thoroughly over exposed surfaces and under the rim"
 - b. Under the heading "Non-Acid Toilet Bowl Disinfectant Cleaner," revise "Use-solution to exposed surfaces . . ." to read "Use-solution to exposed surfaces and under the rim"
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

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

56383:I:DeLaney:L31-19:KEVRIC:06/13/91:07/11/91:aw:WO:DD

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

If you have any questions concerning this letter, please contact Martha 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 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 surfaces in 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.

**PRECAUTIONARY STATEMENTS
HAZARDOUS 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 the procedures approved by state and local authorities.

(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 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	1.500%
Didecyl dimethyl ammonium chloride	2.250%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	5.000%

Inert Ingredients

87.500%
100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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.
EPA Establishment No.
Net Contents

ACCEPTED
with COMMENTS
in EPA Letter Dated:

6836-33
6836-1L-1

JUL 23 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
6836-33

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

DIRECTIONS

It is a violation of Federal Law to use this product in a manner inconsistent with the label directions.

LONZA FORMULATION 70-12 is a cleaner-disinfectant-sanitizer. It is effective in the presence of moderate soil load.

Apply LONZA FORMULATION 70-12 to other hard (inanimate) surfaces such as tables, chairs, counter tops, etc. with a cloth, mop or brush. Thoroughly wet surfaces, a preliminary rinse with a fresh solution daily will keep surfaces visibly dirty.

DISINFECTANT-To disinfect hard surfaces, add 1/2 oz. per gallon of water. Solution must remain wet for 10 minutes. LONZA FORMULATION 70-12 is fungicidal.

SANITIZING-To sanitize food contact surfaces, use 1/2 oz. per gallon of water.

1/2 oz. per gallon of water. The activity of LONZA FORMULATION 70-12 is evaluated in the presence of soil. It is effective against the following organisms:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Salmonella schottmulleri
- Streptococcus faecalis
- Shigella dysenteriae
- Brevibacterium ammonium
- Pseudomonas cepacia

Non-Acid Toilet Application.

1. Add 0.5 oz. to the water and mix. Brush over the surface and stand for 10 minutes.
2. Empty toilet bowl or sink. Use solution to clean the trap, sponge or mechanical parts.

MOLD AND MILDWEGROWTH TEST
LONZA FORMULATION 70-12 will inhibit the growth of mold and mildew (Trichophyton mentagrophytes fungus) when used on locker rooms, showers, dressing rooms, etc.

MILDWEGROWTH TEST
LONZA FORMULATION 70-12 will inhibit the growth of mold and mildew when applied to hard surfaces. Indicated in general instructions for use on dry surfaces and returns.

BEST AVAILABLE COPY