

PM 31 6836-75 13

OCT 23 1985

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

Attention: Joseph A. Conti
Manager, Governmental Relations

Gentlemen:

Subject: Lonza Formulation S-21
EPA Registration No. 6836-75
Your Application Dated September 6, 1985

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. Delete the word "etc." (Fungicidal Performance section).
- b. Revise the statement (first paragraph-upper left panel)

. . . and will prevent the growth of mold
and mildew

to read:

. . . and inhibits the growth of mold and
mildew.

- c. Delete the word: excellent (middle right panel).
- d. Add the misuse statement:

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

91365:Lee:RD-85/05:KENCO:10/15/85:10/25/85:DKD:PS

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

2. 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.

Sincerely yours,



John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. LONZA FORMULATION S-21 has been formulated to aid in the reduction of cross-contamination in these areas.

LONZA FORMULATION S-21 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-21 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces. When used as directed, LONZA FORMULATION S-21 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 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.

LONZA FORMULATION S-21

Disinfectant-Cleaner-Sanitizer-Fungicide
Mildewstat-Virucide-Deodorizer

for Hospitals, Institutional and Industrial Use

Effective in hard water up to 400 ppm hardness
(calculated as CaCO_3) in the presence of 5% serum
contamination

Active Ingredients

Octyl decyl dimethyl ammonium chloride	1.650%
Dioctyl dimethyl ammonium chloride	0.825%
Didecyl dimethyl ammonium chloride	0.825%
Alkyl (C_{14} , 50%; C_{12} , 40%; C_{16} , 10%) dimethyl benzyl ammonium chloride	2.200%

Inert Ingredients

94.500%
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.

8836-75

EPA Establishment No.

6836-IL-1

Net Contents

MANUFACTURED BY:

LONZA INC., 22-10 Route 208, Fair Lawn, N.J. 07410

For Sale For Use And Storage By
Maintenance Personnel Only

DIRECTIONS

LONZA FORMULATION S-21 is a disinfectant-cleaner-sanitizer-fungicide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply LONZA FORMULATION S-21 to hard (inanimate) non-porous surfaces: countertops, sinks, tile, porcelain, mop or mechanical spray devices. Surfaces. For heavily soiled areas, a broad spectrum of gram negative organisms as represented by:

Disinfection - to disinfect hard surfaces in hospitals add 2 oz. per gallon of water. The activity of LONZA FORMULATION S-21 will disinfect surfaces. For heavily soiled areas, a broad spectrum of gram negative organisms as represented by:

2 oz. per gallon use-level. The activity of LONZA FORMULATION S-21 will disinfect surfaces. For heavily soiled areas, a broad spectrum of gram negative organisms as represented by:

Pseudomonas aeruginosa
Staphylococcus aureus
Salmonella enteritidis
Escherichia coli
Streptococcus pyogenes
Klebsiella pneumoniae
Enterobacter aerogenes
Streptococcus faecalis
Shigella dysenteriae
Brevibacterium ammoniagenes
Salmonella typhi
Serratia marcescens

For schools, industry and non-hospital use, LONZA FORMULATION S-21 is an excellent cleaning and germicide against Staphylococcus aureus, Escherichia coli and Serratia marcescens used to confirm performance.

Fungicidal Control - LONZA FORMULATION S-21 is effective against Trichophyton mentagrophytes (used on surfaces in areas such as rooms, shower and bath areas) at 1 oz./gallon.

Mold and Mildew Control. LONZA FORMULATION S-21 will effectively remove mold and mildew and the odors caused by them on hard, non-porous surfaces (as in above). Allow to dry on surface before return.

Virucidal Performance. At LONZA FORMULATION S-21 is effective in the presence of 5% serum against the following viruses: Simples Types 1 and 2 and Varicella-Zoster virus. Sanitizing-Non-Food Contact Surfaces. LONZA FORMULATION S-21 is an effective sanitizer for hard, non-porous and non-porous surfaces must remain wet for