

FEB 01 1991

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

Attention: Joseph R. Robinson

Gentlemen:

Subject: Lonsa Formulation S-23
EPA Registration No. 6836-76
Your Submission Dated October 16, 1990
EPA Received Date November 8, 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 make the following label changes:

1. 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"
2. Under item 2 and after the wording "to exposed surfaces," add "including under the rim"

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								

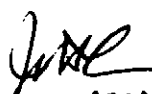
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A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen M. Leary at (703) 557-3966.

Sincerely yours,

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

Enclosure

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Cross-contamination is of major housekeeping concern in schools, non-medical institutions, and industry. LONZA FORMULATION S-23 has been formulated to aid in the reduction of cross-contamination in these areas.

LONZA FORMULATION S-23 is a one-step disinfectant-cleanser 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-23 is an effective one-step sanitizer-cleanser for use on non-food contact surfaces. When used as directed, LONZA FORMULATION S-23 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

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 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-23

Disinfectant-Cleaner-Sanitizer-Fungicide
Mildewstat-Virucide*Deodorizer for Schools,
Non-Medical Institutional and Industrial Use

Effective in hard water up to 400 ppm hardness
(calculated as CaCO₃) in the presence of 5% serum
contamination

Active Ingredients

Octyl decyl dimethyl ammonium chloride	1.20%
Dioctyl dimethyl ammonium chloride	0.48%
Didecyl dimethyl ammonium chloride	0.72%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	1.60%

Inert Ingredients

96.00%
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. 6836-76

EPA Establishment No. 6836-IL-1

Net Contents

MANUFACTURED BY:

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

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DIF

It is a violation of the Federal Insecticide, Fungicide, and Rodenticide Act to use this product in a manner inconsistent with its labeling.

LONZA FORMULATION S-23 is a disinfectant-cleanser which is effective in the presence of 5% serum. Apply LONZA FORMULATION S-23 to other hard (including tables, chairs, toilet bowls, mop or mechanical wet surfaces, laundry cleaning) surfaces daily or as needed to keep them clean and free of dirt.

Disinfection—10 to 20 drops per gallon of water. Allow to stand for 15 minutes. The active ingredients are evaluated in the presence of serum by the AOAC using a broad spectrum of organisms as reported in the following list:

- Staphylococcus aureus
- Salmonella typhimurium
- Escherichia coli
- Streptococcus faecalis
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Streptococcus pyogenes
- Shigella dysenteriae
- Brevibacterium lactoferum
- Salmonella typhimurium
- Serratia marcescens

Non-Acid Toilet

1. Add 1.5 oz. LONZA FORMULATION S-23 to 1 gallon of water. Brush over exposed surfaces for 15 minutes and flush.
2. Empty toilet. Use solution to clean sponge or mechanical surfaces.

Fungicidal Action

LONZA FORMULATION S-23 is effective against Trichophyton mentagrophytes used on surface of shoes, shower stalls, and other porous surfaces.

Mold and Mildew

LONZA FORMULATION S-23 is effective against mold and mildew on hard, non-porous surfaces. Allow to stand for 15 minutes before rinsing.

***Virucidal Performance**

LONZA FORMULATION S-23 is effective against the following viruses: Simples Types 1 and 2, poliovirus, and other non-enveloped viruses. LONZA FORMULATION S-23 is not effective against enveloped viruses and non-porous surfaces must be