

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-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-23 is an effective one-step sanitizer-cleaner 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

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 in 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 SUPPLY OR FOOD. KEEP IN ORIGINAL CONTAINER. DO NOT RE-FILL WITH LONZA S-23.

PESTICIDE DISPOSAL

PESTICIDE SPRAY MIXTURES SHOULD BE USED IN WATER. THEY CAN BE USED AS A FLOOR CLEANER. DO NOT USE IN FOOD AREAS. USE APPROPRIATE PRECAUTIONS. DO NOT RE-FILL WITH LONZA S-23.

CONTAINER DISPOSAL

DO NOT RE-FILL WITH LONZA S-23. DO NOT RE-USE FOR OTHER PURPOSES. DO NOT RE-FILL WITH LONZA S-23.

GENERAL

DO NOT USE IN FOOD AREAS. DO NOT RE-FILL WITH LONZA S-23.

- GUARDCO MINT DISINFECTANT -

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	12%
Dioctyl dimethyl ammonium chloride	0.6%
Didecyl dimethyl ammonium chloride	0.6%
Alkyl (C ₁₂ , 50%; C ₁₄ , 40%; C ₁₆ , 10%)	
Dimethyl benzyl ammonium chloride	1.6%

Inert Ingredients

96.0%

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

For Sale For Use And Storage
By Maintenance Personnel Only

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-23 is a proven "one-step" disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply LONZA FORMULATION S-23 to walls, floors and other hard (non-porous) surfaces such as tables, chairs, countertops, sinks, tile, porcelain, 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 if the solution becomes visibly dirty.

Disinfection - To disinfect hard, non-porous surfaces, add 2 oz per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION S-23 has been evaluated in the presence of 5% serum and 400 ppm hard water by the A-JAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Streptococcus faecalis
- Shigella dysenteriae
- Brevibacterium ammoniagenes
- Salmonella typhi
- Serratia marcescens

Fungicidal Performance

LONZA FORMULATION S-23 is an effective fungicide against Microsporum menthae, Trichophyton menthae, and Trichophyton menthae. It is effective against fungi when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, etc. at a dilution of 2 oz per gallon.

Mold and Mildew Control - At 2 oz per gallon, LONZA FORMULATION S-23 effectively inhibits 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 mold growth returns.

Virucidal Performance - At 2 oz per gallon use level, LONZA FORMULATION S-23 was evaluated in the presence of 5% serum and 400 ppm hardness against the following viruses: Influenza A, B, C, Herpes Simplex and Vaccinia. It is effective against all of these viruses.

Sanitizing-Non Food Contact Surfaces (such as floors, walls, tables, etc.) - At 2 oz per gallon use level, LONZA FORMULATION S-23 is an effective sanitizer against Staphylococcus aureus, Klebsiella pneumoniae, aerobacillus, and other hard surface and non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes.

BEST DOCUMENT AVAILABLE

12-243-3

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAM
REGISTRATION DIVISION, WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

FORM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

NOTICE OF PESTICIDE:

Under the Federal Insecticide, Fungicide, and Rodenticide Act

07 OCT 1982

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

e. The statement "FOR SALE FOR USE AND STORAGE BY MAINTENANCE PERSONNEL ONLY" must be at least the same type size as the "KEEP OUT OF REACH OF CHILDREN" statement (front panel) and preferably placed in the upper front panel.

3. The revised Confidential Statement of Formula (EPA rec'd date) July 12, 1983 is acceptable and has been placed in your file.

4. The confirmatory data submitted August 17, 1983, are acceptable and have been assigned the Accession Number 251134.

5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

John B. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (2S-767)

Enclosures