Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry LONZA FORMULATION S-18 has been formulated to aid in the reduction of cross-contamination in these areas

LONZA FORMULATION S-18 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-18 is an effective onestep sanitizer-cleaner for use on non-food contact surfaces

When used as directed, LONZA FORMULATION S-18 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 mai 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 on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or abserbed through skin. Avoid contamination of food

STORAGE AND DISPOSAL

elo n t matarinate water, food, or feed to of n f ofter it ride official creasing a fequalities of side ways.

PESTICLE SISE AL Pesticide wastes are a urely facat? prijer die: sal it excess pesticide, seru i i

mist read throate its a violation of before law. I fellow wastened in the first very second as a filtrate label instruct. The state to take I district.

Shir State tests 12c of F in the two fits Agents, or the Hazard in Waste representative at the meanest EPA Features of the search of the se at the nearest tPA beginnel office for widon a CAP 3211 3471ADE

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LONZA **FORMULATION S-18**

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

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

Active lagredients

Octyl decyl dimethyl ammonium chloride 3 255% Dioctyl dimethyl ammonium chloride 1628% Didecyl dimethyl ammonium chloride 1.628% Alkyl (C₁₄, 50%, C₁₂, 40%, C₁₆,10%)

Inert Ingredients

89 149% 100.00%

4 340%

KEEP OUT OF REACH OF CHILDREN DANGER

dimethyl benzyl ammonium chloride

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.

6836-77

EPA Establishment No.

6836-IL-1

Net Contents

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

LOT BOOKINGTH AVAILABI

Directions for Use GENERAL CLASSIFICATION

It is a violation of Foderal Law to use this product in a manner incensistent with its labeling.

LONZA FORMULATION \$-18 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 8-18 to walls, floors and other hard (manimale) 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 or when use solution becomes visibly dirty.

Disinfection -- to disinfect hard, non-porous surfaces, add 1 oz per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION 5-18 has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of against a broad spectrum of against a broad spectrum of against against a broad s

Pseudomonas seruginosa in EPA Letter Dated: Staphylococcus aureus Salmonella cholerassuis Brevibecterium ameninganes Escherichia coli Streptococcus pyogenes

Klebsiella prieumoniae

JUN 2 6 1984 Enterobacter serogenes, Salmonella schottmueller from the Enterobacter College

Singella dysenterise as in membed, for the perticide Salmonella typhi
Serratia marcescens

Fungicides Control —
LONZA FORMULATION 5-16

against Trichophyton mentagrophytes (the athletes foot

fungus) when used on surfaces in areas such as locker rooms dressing rooms shower and bath areas. exercise facilities etc al 1 or/gallon Mold and Mildew Control

At 1 oz galleri LONZA FORMULATION 8-18 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 Parformanca

At I uz pergation use level LONZA FORMULATION 8-18 was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following vicuses, influenza A Brezil

Herpes Simplex Types I and II and Vaccinia on inanimate environmental surfaces

Sanitizing-Non-Feed Contect Eurleces (such as flears, walle, febres, etc.). At I oz per 5'z gallon use-level. LONZA FORMULATION 8-18 is an effective samitizer against Staphylococcus aureus and Klebsiella pneumoniae on hard porous and non-porous environmental surfaces Treated surface must remain wet for 60 seconds



Lonza, Inc. 22-10 Route 208 Fair Lawn, NJ 07410 26 JUN 1984

Attention: Joseph A. Conti

Manager, Governmental Relations

Gentlemen:

BEST DOCUMENT AVAILABLE

Subject:

Lonza Formulation S-18 EPA Registration No. 6836-77 Your Amendment Dated May 31, 1984

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. The statement: For sale for use and storage by Maintenance personnel only, must be retained on the label.
 - b. Revise the statement: "...viruscs: Influenza A/Brazil, Herpes Simplex I and II and Vaccinia on inanimate environmental surfaces." to read:
 - "...viruses: Influenza A/Brazil, Herpes simplex Type 1 and Type 2, and Vaccinia on inanimate hard comporous environmental suriaces.
 - c. For consistency, revise the total % to xead: 100.000%.
- 2. Submit tive (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 metrix (not requested) was not required for this type of amendment. It will not be reviewed at this time Aux only placed into your file.

	Sincerely yours.
	CONCURRENCES
STATE	John H. Lee Product Manager (\$1) Disinfectants Branch
EPA-F. (12-70)	Poglistiation Division (TS-767C) OFFICIAL FILE COPY

OFFICIAL FILE COP