

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **LONZA FORMULATION S-21-7** has been formulated to aid in the reduction of cross-contamination in these areas.

LONZA FORMULATION S-21-7 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-21-7 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, **LONZA FORMULATION S-21-7** 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 severe 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 OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL

PESTICIDE SPRAY MIXTURE OR RINSATE THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND DISPOSE IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS OR BURY IN A SAFE PLACE.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

LONZA FORMULATION S-21-7

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.

6836-75

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 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-21-7 is a 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-21-7** 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, 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 in hospitals, add 2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use level, **LONZA FORMULATION S-21-7** is a virucidal, fungicidal and fungistatic. At 1 oz. per gallon of water, **LONZA FORMULATION S-21-7** will disinfect hard non-porous surfaces in schools, industry and non-medical institutions.

Sanitizing: To sanitize porous and non-porous non-food contact surfaces, add 1 oz. per 2 1/2 gallons of water. Treated surfaces must remain wet for 60 seconds.

2 oz. per gallon use-level: The broad spectrum activity of **LONZA FORMULATION S-21-7** has been evaluated and found to be effective against the following organisms by the AOAC Use-Dilution test:

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

For schools, industry and non-medical institution use: At 1 oz. per gallon of water, **LONZA FORMULATION S-21-7** delivers excellent cleaning and germicidal effectiveness. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and *Serratia marcescens*. The same AOAC tests used to confirm performance for hospitals were used.

AOAC Fungicidal Test: **LONZA FORMULATION S-21-7** is an effective fungicide against *Trichophyton mentagrophytes*, the athlete's foot fungus, when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Mold and Mildew Control: At 1 oz. per gallon, **LONZA FORMULATION S-21-7** will effectively inhibit the growth of mold and mildew and the odors associated with them. Apply to hard non-porous surfaces as instructed in general directions above. Allow to dry on surface and keep well away from growing plants.

Virucidal Performance: At 1 oz. per gallon use-level, **LONZA FORMULATION S-21-7** was evaluated and found to be effective against the Influenza A, B and C Virus in human and environmental situations.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.): At 1 oz. per 2 1/2 gallons use-level, **LONZA FORMULATION S-21-7** is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard non-porous surfaces. It is also effective against *Shigella dysenteriae*.

