

99.12.07

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<sub>3</sub>) in the presence of 5% serum contamination.

COMMERCIAL

GUARANTEE:

Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride.....	2.200%
Octyl decyl dimethyl ammonium chloride.....	1.650%
Diocetyl dimethyl ammonium chloride.....	0.660%
Didecyl dimethyl ammonium chloride.....	0.990%

WARNING

POISON

CORROSIVE

READ THE LABEL BEFORE USING

REGISTRATION NO. 18451

PEST CONTROL PRODUCTS ACT

DIN NO. 02008459

NET CONTENTS: \_\_\_\_\_ L

Manufactured by:  
LONZA INC., 17-17 ROUTE 208,  
FAIR LAWN, N.J. 07410

Canadian Agent:  
CANADA COLORS & CHEMICALS  
80 SCARSDALE ROAD, DON MILLS,  
ONTARIO M3B 2R7

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 malodors.

#### DIRECTIONS FOR USE:

LONZA FORMULATION S-21-7 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-21-7 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth mop 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 in hospitals, add 16 mL/L of water. Treated surfaces must remain wet for 10 minutes. At this use level, LONZA FORMULATION S-21-7 is also virucidal, fungicidal and fungistatic. At 16 mL/L of water,

LONZA FORMULATION S-21-7 will disinfect hard non-porous surfaces in school, industry and non-medical institutions.

FOOD PLANT DISINFECTION: To disinfect hard, non-porous surfaces in food plants, add 16 mL/L of water. Treated surfaces must remain wet for 10 minutes. When used on surfaces coming in direct contact with food, rinse thoroughly with potable water.

SANITIZING: To sanitize non-porous, non-food contact surfaces, add 3.0 mL/L of water. Treated surfaces must remain wet for 60 seconds.

16 mL/L 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	Serratia marcescens
Streptococcus faecalis	Shigella dysenteriae
Brevibacterium ammoniagenes	Salmonella typhi
Antibiotic Resistant Staphylococcus aureus (MRSA)	
Vibrio cholerae	

FOR SCHOOLS. INDUSTRY AND NON-MEDICAL INSTITUTION USE: At 16 mL/L 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 Tricophyton 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 10 mL/L LONZA FORMULATION S-21-7 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 cleaning instructions above). Allow to dry on surface and repeat when mildew growth returns.

Virucidal Performances: at 10 mL/L use-level, LONZA FORMULATION S-21-7 was evaluated and found to be effective against the vaccina, Herpes Simplex virus type I, Herpes Simplex virus type II and Influenza A/Brazil Virus on inanimate environmental surfaces. At 64 mL/L it is effective against Adenovirus, Type 5.

Sanitizing: Non-Food Contact Surfaces (such as floors, walls, tables, etc.) at 3.0 mL/L use-level, LONZA FORMULATION S-21-7 is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae on hard non-porous environmental surfaces.

Instructions for Cleaning and Decontaminating Against HIV-1 on Surfaces and Objects Soiled with Blood or Bodily Fluids:

This product is effective against HIV-1 (Human Immunodeficiency Virus) in hard water up to 400 ppm (CaCO<sub>3</sub>), and in the presence of organic soil (5% blood serum).

Personal Protection: When handling items soiled with blood or bodily fluids, wear disposable latex gloves, gowns, masks, and eye coverings.

Cleaning Procedure: Thoroughly clean blood or bodily fluids from surfaces between applying "Formulation S-21-7".

Contact Time: To kill HIV-1, apply "Formulation S-21-7" at 10 mL/ Litre of water and allow surface to remain wet for 10 minutes.

Disposal of Infectious Materials: Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to provincial and local regulations for infectious waste disposal.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.

Danger - Corrosive to eyes. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Avoid contamination of food.

FIRST-AID: 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 or poison control centre immediately. Take container, label or product name and Pest control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

DISPOSAL:

1. Triple or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, contact the Manufacturer or the Provincial Regulatory Agency. Contact the Manufacturer and the Provincial Regulatory Agency in case of a spill, and for cleanup of spills.

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