

93.10.27

LONZA

FORMULATION

S-21F

DISINFECTANT-CLEANER

SANITIZER-FUNGICIDE

MILDEWSTAT-VIRUCIDE*

DEODORIZER

for use in Hospitals, Institutions, Food
Processing and
Industrial Environments

Effective in hard water up to 400 ppm hardness (calculated
as CaCO₃) 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%
Dioctyl dimethyl ammonium chloride.....	0.660%
Didecyl dimethyl ammonium chloride.....	0.990%

WARNING

POISON

CORROSIVE

READ THE LABEL BEFORE USING

REGISTRATION NO. 23272

PEST CONTROL PRODUCTS ACT

DIN

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

DIRECTIONS FOR USE:

LONZA FORMULATION S-21F 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-21F 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-21F is also virucidal, fungicidal and fungistatic. At 16 mL/L of water, LONZA FORMULATION S-21F will disinfect hard non-porous surfaces in school, industry and non-medical institutions. At this dilution, all surfaces on which this product is used and which come in contact with food, are to be rinsed with potable water.

16 mL/L Use-Level: The broad spectrum activity of LONZA FORMULATION S-21F 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

SANITIZING - to sanitize pre-cleaned, non-porous food contact surfaces and utensils immerse in a 3.0 mL per 1 L (150 ppm) solution of S-21F for at least 60 seconds. Allow to air dry. Do not rinse. For equipment and utensils too large to sanitize by

immersion, apply a 6.0 mL per 1 L solution of S-21F (300 ppm) by rinsing, squirting or swabbing until thoroughly wetted. Allow surface to drain and air dry. Do not rinse. Wash hands thoroughly with soap and water after handling. FOR SCHOOLS INDUSTRY AND NON-MEDICAL INSTITUTION USE: At 16 mL/L of water, LONZA FORMULATION S-21F delivers excellent cleaning and germicidal effectiveness. It is effective against Staphylococcus aureus, Salmonella choleraesuis, Escherchia coli and Serratia marcescens. The same AOAC tests used to confirm performance for hospitals were used.

AOAC Fungicidal Test: LONZA FORMULATION S-21F 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 10 mL/L LONZA FORMULATION S-21F 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 Performance: at 10 mL/L use-level, LONZA FORMULATION S-21F was evaluated and found to be effective against the Influenza A/Brazil Virus on inanimate environmental surfaces.

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

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

When used as directed, LONZA FORMULATION S-21F 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.

PRECAUTIONARY STATEMENTS: 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 immediately.

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. Rinse the emptied container thoroughly and add the rinsings to treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and the cleanup of spills contact the regional office of Environment Canada.
5. For small spills. Recover free liquid. Soak up residue with solids absorbent. DO NOT FLUSH INTO SURFACE STREAMS. INFORM ENVIRONMENT CANADA AS IN NO. 4.

CONTAINS: Surfactant and sequestrant.

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