LONZA
FORMULATION
S-23-15

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
CaCO$_3$) in the presence of 5% serum contamination.

COMMERCIAL

CAUTION

POISON   CORROSIVE

GUARANTEE:
Alkyl (40% C12, 50% C14, 10% C16) dimethyl
benzyl ammonium chloride.....................1.60%
Octyl decyl dimethyl ammonium chloride........1.20%
Dioctyl dimethyl ammonium chloride............0.48%
Didecyl dimethyl ammonium chloride............0.72%

READ THE LABEL BEFORE USING

REGISTRATION NO. 22440
PEST CONTROL PRODUCTS ACT

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 in schools,
non-medical institutions, and industry.

LONZA FORMULATION S-23-15 has been formulated to aid in the reduction of cross-contamination in these areas.

LONZA FORMULATION S-23-15 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-23-15 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, LONZA FORMULATION S-23-15 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.

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.

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.

DIRECTIONS FOR USE:

LONZA FORMULATION S-23-15 is a proven "one-step" disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm harness in the presence of 5% serum contamination.

Apply LONZA FORMULATION S-23-15 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, toilet bowls, urinals and bedframes with a cloth or 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, add 15.6 mL/L of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION S-23-15 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 gram negative and gram positive organisms as represented by:

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

Non-Acid Toilet Bowl Disinfectant/Cleaner Application:

1. Add 44.4 mL to the bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.
2. Empty toilet bowl or urinal and apply 15.6 mL/L, use-solution to exposed surfaces including under the rim with a cloth, mop or sponge.

FUNGICIDAL PERFORMANCE: LONZA FORMULATION S-23-15 is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces such as locker rooms, dressing rooms, shower and bath areas, exercise facilities etc., at 15.6 mL/L.

MOLD AND MILDEW CONTROL: At 15.6 mL/L LONZA FORMULATION S-23-15 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 PERFORMANCE*: At 15.6 mL/L use-level, LONZA FORMULATION S-23-15 was evaluated in the presence of 5% serum and

400 ppm hard water and found to be effective against the
following viruses: Influenza A/Brazil, Herpes Simplex Types I
and II and Vaccinia, on inanimate hard, non-porous environmental
surfaces.

SANITIZING NON-FOOD CONTACT SURFACES (such as floors, walls,
tables, etc.) at 4 mL/L use level, LONZA FORMULATION S-23-15 is
an effective sanitizer against Staphylococcus aureus and
Klebsiella pneumoniae on hard, porous and non-porous
environmental surfaces. Treated surfaces must remain wet for 1
minute.

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