Cross-contamination of major housekeeping con[illegible] not **only in hospitals, but in schools, institutions, and industry. LONZA FORMULATION S-18** has been formulated [illegible] in the reduction of cross-contamination in these areas.

LONZA FORMULATION S-18 [illegible] one-step disinfectant cleaner [illegible] effective against a broad spectrum of bacteria, viruses (including HIV-1, [illegible]) and [illegible] growth of [illegible] when used as directed.

LONZA FORMULATION S-18 [illegible] sanitizer [illegible] 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 [illegible] and other [illegible] growth [illegible].

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Keep out of reach of children. Corrosive. Causes [illegible] 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 absorbed through skin. Avoid contamination of food.

Storage and Disposal

[illegible]

PESTICIDE DISPOSAL

[illegible] Agency of the Hazardous Waste representative at the [illegible] Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. Stay out of smoke.

Metal containers: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. (If container is [illegible] statement.)

Do not [illegible] and [illegible]

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 $CaCO_3$) in the presence of 5% serum contamination

Active Ingredients

Octyl decyl dimethyl ammonium chloride	3.255%
Dioctyl dimethyl ammonium chloride	1.302%
Didecyl dimethyl ammonium chloride	1.954%
Alkyl (C_{14}, 50%; C_{12}, 40%; C_{16}, 10%) dimethyl benzyl ammonium chloride	4.340%
Inert Ingredients	89.149%
	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 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.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No.	6836-77
EPA Establishment No.	6836-IL-1
Net Contents	

MANUFACTURED BY

LONZA INC., 17-17 Route 208, Fair Lawn, N.J. 07410

Directions for Use

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

LONZA FORMULATION S-18 is a proven "one-step" disinfectant, cleaner, sanitizer, fungicide, mildewstat, virucide* and deodorizer which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply **LONZA FORMULATION S-18** to walls, floors and other hard (inanimate) 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 S-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 gram negative and gram positive organisms as represented by:**

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Klebsiella pneumoniae
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- Brevibacterium ammoniagenes
- [illegible]
- [illegible]
- [illegible]

****VIRUCIDAL PERFORMANCE —***
At 1 oz. per gallon use-level, LONZA FORMULATION S-18 was evaluated in the presence of 5% serum and 400 ppm hard water for a contact time of 10 minutes at room temperature (20-25°C) against the following viruses found on inanimate, hard, non-porous environmental surfaces:

- HIV-1 (AIDS virus)
- Influenza A/Brazil
- Herpes Simplex Types 1 and 2
- Vaccinia

"SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS." —

CLEANING PROCEDURE: Blood and other body fluids containing HIV must be [illegible] from surfaces and objects before [illegible] of **LONZA FORMULATION S-18** [illegible] performance for use instructions.

PERSONAL PROTECTION: Clean-up should always be done wearing protective latex gloves, gowns, mask and eye protection.

DISPOSAL OF INFECTIOUS MATERIALS: Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Fungicidal Control —
LONZA FORMULATION S-18 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 at 1 oz. gallon.

Mold and Mildew Control. *At 1 oz. gallon,* **LONZA FORMULATION S-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 mold & growth returns.

Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.) [illegible] *gallon use level,* **LONZA FORMULATION S-18** [illegible] Klebsiella pneumoniae on hard, non-porous environmental surfaces [illegible] remain wet for [illegible].

[illegible] 6836-77

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