

Cross contamination in schools, major housekeeping establishments, and non-medical institutional and industry. **LONZA FORMULATION S-23** has been formulated to aid in the reduction of cross contamination in these areas.

LONZA FORMULATION S-23 is a one step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal for polio, and will prevent the growth of mold and mildew and their odors when used as directed.

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

When used as directed, **LONZA FORMULATION S-23** 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

Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes 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 OF CONTAINER.
- OPEN DUMPING IS PROHIBITED.
- DO NOT REUSE EMPTY CONTAINER.

PESTICIDE DISPOSAL

PESTICIDE SPRAY MIXTURE OR RINSE WATER THAT CANNOT BE USED ACCORDING TO LABEL INSTRUCTIONS MUST BE DISPOSED OF ACCORDING TO FEDERAL OR APPROVED STATE PROCEDURES UNDER THE FEDERAL RESOURCE CONSERVATION AND RECOVERY ACT.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) THEN REFER FOR RECYCLING OR RECONDITIONING OR DISPOSE OF IN A SANITARY LANDFILL OR BY AN INTERNATIONAL LAW FIRM STATE AND LOCAL AUTHORITIES.

GENERAL

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

LONZA FORMULATION S-23

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 CaCO₃) in the presence of 5% serum contamination.

Active Ingredients

Octyldecyl dimethylammonium chloride	1.2%
Dioctyl dimethylammonium chloride	0.6%
Didecyl dimethylammonium chloride	0.6%
Alkyl (C ₁₂ -C ₁₈) C ₁₂ -C ₁₈ C ₁₂ -C ₁₈	
Dimethylammonium chloride	1.6%

Inert Ingredients

	96.0%
	100.00%

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 a doctor. 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. 6836-76
 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.

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Disinfection: To disinfect hard surfaces, add 2 oz per gallon of water. Treat for 10 minutes. For soft surfaces, add 2 oz per gallon of water. Treat for 10 minutes. For soft surfaces, add 2 oz per gallon of water. Treat for 10 minutes.

- Staphylococcus aureus*
- Salmonella enteritidis*
- Escherichia coli*
- Streptococcus pyogenes*
- Klebsiella pneumoniae*
- Enterobacter aerogenes*
- Streptococcus faecalis*
- Shigella dysenteriae*
- Brevibacterium ammoniagenes*
- Sarcoptes scabiei*
- Trichophyton mentagrophytes*

Fungicidal Performance: **LONZA FORMULATION S-23** 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 mats, etc. at 2 oz per gallon.

Mold and Mildew Control: At 2 oz per gallon, **LONZA FORMULATION S-23** 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 directions above. Allow to dry on surface and reapply after 24 hours with returns.

Virucidal Performance: At 2 oz per gallon use level, **LONZA FORMULATION S-23** has been evaluated in the presence of 5% serum and found to be effective against the following viruses: Polio, Herpes Simplex, and Vaccinia on non-porous hard surfaces.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.): At 2 oz per gallon use level, **LONZA FORMULATION S-23** is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous non-food contact surfaces. Treated surfaces must remain wet for 60 seconds.

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