

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **LONZA FORMULATION R-82-54** has been formulated to aid in the reduction of cross-contamination in these areas.

**LONZA FORMULATION R-82-54** 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 R-82-54** is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, **LONZA FORMULATION R-82-54** 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 mal odors.

**Precautionary Statements**

Hazards to Humans and domestic animals

**DANGER**

Keep out of reach of children. Corrosive. Causes severe 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 or fatal if swallowed or absorbed through the skin. Avoid contamination of food.

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

OPEN DUMPING IS PROHIBITED.

DO NOT REUSE EMPTY CONTAINER.

**PESTICIDE DISPOSAL**

PESTICIDE SPRAY MIXTURE OR RESIDUE THAT CAN NOT BE REUSED OR CHEMICALLY REPRESENTED SHOULD BE DISPOSED OF IN A LANDFILL AFTER WELL-FORFEITED USE. DO NOT REUSE IN ANY PLACE AWAY FROM WATER.

**CONTAINER DISPOSAL**

THIS PRODUCT IS NOT TO BE REUSED IN ANY MANNER. IT IS TO BE REUSED ONLY AS DIRECTED BY THE MANUFACTURER.

**GENERAL**

FOR INFORMATION, CONTACT THE MANUFACTURER AT THE ADDRESS LISTED ON THE PRODUCT LABEL.

**LONZA FORMULATION R-82-54**

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

**Active Ingredients**

Octyl decyl dimethyl ammonium chloride	6.510%
Dioctyl dimethyl ammonium chloride	3.255%
Didecyl dimethyl ammonium chloride	3.255%
Alkyl (C <sub>12</sub> , 50% C <sub>14</sub> , 40% C <sub>16</sub> , 10% dimethyl benzyl ammonium chloride	8.680%

**Inert Ingredients**

78.300%
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 milk, 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. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-78

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.

**LONZA FORMULATION R-82-54** 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 R-82-54** to walls, floors and other hard, 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 solution becomes visibly dirty.

**Disinfection** - To disinfect hard non-porous surfaces, add 0.5 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. Also use live **LONZA FORMULATION R-82-54** is also virucidal, fungicidal and fungistatic.

**Sanitizing** - To sanitize porous and non-porous non-food contact surfaces, add 0.5 oz. per 5 gallons of water. Treated surfaces must remain wet for 60 seconds.

**0.5 oz. per gallon use-level** - The broad spectrum activity of **LONZA FORMULATION R-82-54** has been evaluated and found to be effective against the following organisms by the **At. At. Use Duration Test**:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Salmonella typhimurium
- Streptococcus faecalis
- Trichomonas vaginalis
- Bovine Herpesvirus-1
- Adenovirus

**AOAC Fungicidal Test** - **LONZA FORMULATION R-82-54** is an effective fungicide against Trichophyton mentagrophytes, Trichophyton tonsurans, and Microsporum canis when used on surfaces, linens, and clothing. Dressing rooms, showers, and other public facilities, etc.

**Mold and Mildew Control** - At 0.5 oz. per gallon, **LONZA FORMULATION R-82-54** will effectively inhibit the growth of mold and mildew on the surfaces caused by them. Water should be used to wet surfaces. Also, it is effective against mold and mildew on walls, ceilings, and other surfaces.

**Virucidal Performance** - At 0.5 oz. per gallon, **LONZA FORMULATION R-82-54** was evaluated and found to be effective against the following Adenovirus strains: Adenovirus-1, Adenovirus-2, Adenovirus-3, Adenovirus-4, Adenovirus-5, Adenovirus-6, Adenovirus-7, Adenovirus-8, Adenovirus-9, Adenovirus-10, Adenovirus-11, Adenovirus-12, Adenovirus-13, Adenovirus-14, Adenovirus-15, Adenovirus-16, Adenovirus-17, Adenovirus-18, Adenovirus-19, Adenovirus-20, Adenovirus-21, Adenovirus-22, Adenovirus-23, Adenovirus-24, Adenovirus-25, Adenovirus-26, Adenovirus-27, Adenovirus-28, Adenovirus-29, Adenovirus-30, Adenovirus-31, Adenovirus-32, Adenovirus-33, Adenovirus-34, Adenovirus-35, Adenovirus-36, Adenovirus-37, Adenovirus-38, Adenovirus-39, Adenovirus-40, Adenovirus-41, Adenovirus-42, Adenovirus-43, Adenovirus-44, Adenovirus-45, Adenovirus-46, Adenovirus-47, Adenovirus-48, Adenovirus-49, Adenovirus-50, Adenovirus-51, Adenovirus-52, Adenovirus-53, Adenovirus-54, Adenovirus-55, Adenovirus-56, Adenovirus-57, Adenovirus-58, Adenovirus-59, Adenovirus-60, Adenovirus-61, Adenovirus-62, Adenovirus-63, Adenovirus-64, Adenovirus-65, Adenovirus-66, Adenovirus-67, Adenovirus-68, Adenovirus-69, Adenovirus-70, Adenovirus-71, Adenovirus-72, Adenovirus-73, Adenovirus-74, Adenovirus-75, Adenovirus-76, Adenovirus-77, Adenovirus-78, Adenovirus-79, Adenovirus-80, Adenovirus-81, Adenovirus-82, Adenovirus-83, Adenovirus-84, Adenovirus-85, Adenovirus-86, Adenovirus-87, Adenovirus-88, Adenovirus-89, Adenovirus-90, Adenovirus-91, Adenovirus-92, Adenovirus-93, Adenovirus-94, Adenovirus-95, Adenovirus-96, Adenovirus-97, Adenovirus-98, Adenovirus-99, Adenovirus-100.

**Sanitizing-Non Food Contact Surfaces (such as floors, walls, tables, etc.)** - At 0.5 oz. per gallon, **LONZA FORMULATION R-82-54** will effectively sanitize non-food contact surfaces.

