

PM31

6836-73

1042

LONZA FORMULATION S-38 has been formulated to aid in the reduction of cross-contamination in institutions, schools and hospitals. LONZA FORMULATION S-38 is a one-step disinfectant-cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal and inhibits the growth of mold and mildew and their odors when used as directed. LONZA FORMULATION S-38 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces. When used as directed, LONZA FORMULATION S-38 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. LONZA FORMULATION S-38 is authorized by the USDA for use in federally inspected meat and poultry plants.

PRECAUTIONARY STATEMENTS
HAZARD 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 disposal.
- Do not store on side.
- Avoid creasing or impacting of side walls.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA 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 incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Metal Container: Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(If container is 1 gallon or less, use this container disposal statement.)

Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

LONZA
FORMULATION S-38

Disinfectant-Cleaner-Sanitizer-
Fungicide-Mildewstat-Virucide-Deodorizer
with Organic Soil Tolerance for
Hospitals, Institutional and Industrial Use

Active Ingredients

| | |
|--|--------|
| Octyl decyl dimethyl ammonium chloride | 1.140% |
| Dioctyl dimethyl ammonium chloride | 0.456% |
| Didecyl dimethyl ammonium chloride | 0.684% |
| Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride | 1.520% |

Inert Ingredients

96.200%
100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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.

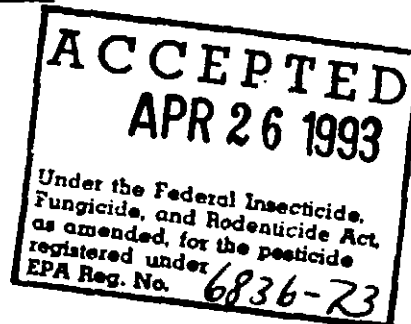
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-73

EPA Establishment No. 6836-IL-1

Net Contents



Manufactured by:
LONZA INC., 17-17 Route 208, Fair Lawn, NJ 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-38 is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-mildewstat-virucide in the presence of moderate amounts of organic soil.

Apply LONZA FORMULATION S-38 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, toilet bowls, urinals 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, treated surfaces must remain wet for ten minutes.

FOR HOSPITALS, MEDICAL AND DENTAL OFFICES AND NURSING HOMES: Add 2 oz. per gallon of water. The activity of LONZA FORMULATION S-38 has been evaluated in the presence of 5% serum by the AOAC use-dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as presented by:

| | |
|--------------------------------|------------------------------------|
| <i>Pseudomonas aeruginosa</i> | <i>Enterobacter aerogenes</i> |
| <i>Staphylococcus aureus</i> | <i>Salmonella schottmuelleri</i> |
| <i>Salmonella choleraesuis</i> | <i>Streptococcus faecalis</i> |
| <i>Escherichia coli</i> | <i>Shigella dysenteriae</i> |
| <i>Serratia marcescens</i> | <i>Brevibacterium ammoniagenes</i> |
| <i>Klebsiella pneumoniae</i> | |
| <i>Pseudomonas cepacia</i> | |

FOR SCHOOLS, PUBLIC REST ROOMS, ATHLETIC FACILITIES, FOOD PROCESSING PLANTS, FOOD STORAGE AREAS, KITCHENS, RESTAURANTS, BARS, TRANSPORTATION TERMINALS, HOTELS, MOTELS AND OTHER NON-MEDICAL INSTITUTIONAL AND INDUSTRIAL USES: At 1 oz. per gallon of water, LONZA FORMULATION S-38 delivers cleaning and germicidal effectiveness. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis* and *Escherichia coli*. The same AOAC tests used above to confirm suitable performance for hospitals were used.

Non-Acid Toilet Bowl Disinfectant/Cleaner Application

1. From Concentrate: Add 0.75 oz. to the bowl (0.75 gallon) and mix. Brush over exposed surfaces including under the rim, allow to stand for 10 minutes and flush.
2. From Use-Solution: Empty toilet bowl or urinal and apply a 1 oz./gal. use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or mechanical spray. Allow to stand for 10 minutes and flush.

FUNGICIDAL PERFORMANCE

LONZA FORMULATION S-38 at 1 oz. per gallon 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.

MOLD AND MILDEW CONTROL

At 1 oz./gallon, LONZA FORMULATION S-38 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 1 oz. per gallon use level, LONZA FORMULATION S-38 was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A/Brazil, Herpes Simplex Type 1, HIV-1 (AIDS virus) and Vaccinia on inanimate hard non-porous environmental surfaces.

SANITIZING-NON-FOOD CONTACT SURFACES (such as floors, walls, tables, etc.). At 1/2 oz./gallon use level, LONZA FORMULATION S-38 is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

***KILLS HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

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

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

CLEANING PROCEDURE: Blood and other body fluids containing HIV must be thoroughly cleaned from surfaces and objects before application of LONZA FORMULATION S-38.

"CONTACT TIME: Leave surface wet for 10 minutes with 1 oz. per gallon use-solution."

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

PELIGRO

SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.