

**LONZA FORMULATION S-39** is an industrial cleaner which disinfects as it cleans. It is especially designed for schools, non-medical institutions and industry. A single application removes dirt and grime, disinfects, is fungicidal, fungicidal, and inhibits the growth of mold and mildew and their odors. When used as directed, a hard surface disinfecting action of **LONZA FORMULATION S-39** will reduce the hazard of cross-contamination. **LONZA FORMULATION S-39** is also an effective one-step sanitizer for non-food contact surfaces.

When used as directed, **LONZA FORMULATION S-39** is effective on surfaces in toilet areas, behind and under kitchen counters, garbage cans and garbage storage bins, and other places where bacterial growth can cause malodors.

### 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. Do not swallow. Avoid contamination of food.

### Storage and Disposal

Store in a cool, dry place. Do not store in areas where children can reach. Do not store in areas where children can reach. Do not store in areas where children can reach.

#### PESTICIDE DISPOSAL

Empty containers are acutely hazardous. Improper disposal of empty containers by spraying or pouring into a sewer is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide Control Agency, or the Hazardous Waste Response Team at the nearest EPA Regional Office for guidance.

#### CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or for sale and disposal in a sanitary landfill, or by other procedures approved by state and local authorities. Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

# LONZA FORMULATION S-39

Disinfectant-Cleaner-Sanitizer-  
Fungicide-Mildewstat-Virucide\*Deodorizer  
with Organic Soil Tolerance for Schools,  
Industry, and Non-Medical Institutions

### Active Ingredients

Octyl decyl dimethyl ammonium chloride	0.54%
Dioctyl dimethyl ammonium chloride	0.216%
Didecyl dimethyl ammonium chloride	0.324%
Alkyr (C <sub>14</sub> , 50%, C <sub>12</sub> , 40%, C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride	0.72%

### Inert Ingredients

98.20%  
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 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. 6836-74

EPA Establishment No. 6836-IL-1

Net Contents

MANUFACTURED BY:

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

**BEST AVAILABLE COPY**

### DIRECTIONS FOR USE

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

**LONZA FORMULATION S-39** is a proven "one-step" cleaner - disinfectant - sanitizer - fungicide - mildewstat - virucide in the presence of moderate amounts of organic soil.

Apply **LONZA FORMULATION S-39** to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks 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 2 oz per gallon of water. Treated surfaces must remain wet for 10 minutes.

The activity of **FORMULATION S-39** 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:

*Escherichia coli*  
*Salmonella choleraesuis*  
*Staphylococcus aureus*  
*Staphylococcus pyogenes*  
*Serratia marcescens*  
*Salmonella typhi*  
*Klebsiella pneumoniae*  
*Salmonella scholtmuelleri*  
*Shigella dysenteriae*  
*Brevibacterium ammoniagenes*

#### Fungicidal Performance

**LONZA FORMULATION S-39** is effective against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, at 2 oz/gallon.

#### Mold and Mildew Control

At 2 oz/gallon, **LONZA FORMULATION S-39** 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 2 oz per gallon use-level, **LONZA FORMULATION S-39** was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A/Brazil, Herpes Simplex Type 1 and Vaccinia, on inanimate environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces** (such as floors, walls, tables, etc.) At 5 oz per 4.5 gallon use-level, 30 second contact time. **LONZA FORMULATION S-39** is an effective sanitizing agent against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on porous and non porous environmental surfaces.

**ACCEPTED**

SEP 19 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 6836-74