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**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 virucidal, fungicidal, and will prevent the growth of mold and mildew and their odors. When used as directed, the hard surface disinfecting action of **LONZA FORMULATION S-39** will reduce the hazard of cross-contamination. **LONZA FORMULATION S-39** is also an extremely effective one-step sanitizer for non-food contact surfaces.

When used as directed, **LONZA FORMULATION S-39** 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 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 OR DISPOSAL
- 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 SUBTITLE C OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

**CONTAINER DISPOSAL**

TRIPLE RINSE (OR EQUIVALENT) THEN OFFER FOR RECYCLING OR RECONDITIONING OR DISPOSE OF IN A SANITARY LANDFILL OR BY INCINERATION IF ALLOWED BY STATE AND LOCAL AUTHORITIES.

**GENERAL**

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

ACCEPTED  
with comments  
EPA letter  
SEP 20 1982  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7630-3

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

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	0.27%
Didecyl Dimethyl Ammonium Chloride	0.27%
Alkyl (C <sub>15</sub> , C <sub>14</sub> , C <sub>10</sub> )	
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., 22-10 Route 208, Fair Lawn, N.J. 07410

R.I. ...  
222-...  
...  
...

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 S-39** is a general purpose disinfectant-cleaning agent for hard surfaces.

Apply **LONZA FORMULATION S-39** to walls, floors and other hard surfaces. For floors, use a mop. For walls, use a brush. For other surfaces, use a brush or sponge. Allow to remain on surface for 10 minutes before rinsing. For floors, use a mop. For walls, use a brush. For other surfaces, use a brush or sponge.

**Disinfection:** For disinfection of porous surfaces, add 1/2 oz per gallon of water. For non-porous surfaces, use 1 oz per gallon.

The efficacy 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 represented by:

- Escherichia coli
- Salmonella choleraesuis
- Staphylococcus aureus
- Streptococcus pyogenes
- Serratia marcescens
- Salmonella typhi
- Klebsiella pneumoniae
- Salmonella schottmuller
- Shigella dysenteriae
- Brevibacterium amarae

**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, etc. 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.

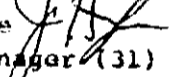
**Virucidal Performance:** At 2 oz per gallon use, **LONZA FORMULATION S-39** was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A, Brazil, Herpes Simplex and Vaccinia on inanimate environmental surfaces.

**Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.):** At 5 oz per 1/2 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.

- d. Delete the company Lonza Inc. and its address.
3. The confirmatory data submitted for the above referenced product are acceptable and have been assigned the Accession Number 248005.
4. As per phone conversation between the Agency and James Provo on August 24, 1992, the following clarifications have been made to your Confidential Statement of Formula.
  - a. The EDTA is Chelon 100 from Stauffer.
  - b. The nonyl phenol polyethoxylates are Triten N101 and Poly-Tergent B-300 from Rohm and Haas and Olin Corp., respectively.
  - c. The linear secondary alcohol ethoxylates are Tergitol 15-S-9 and Tergitol 15-S-12 from Union Carbide.
  - d. The linear primary alcohol ethoxylates are Tergitol 25-L-9 and Tergitol 25-L-12 from Union Carbide.
  - e. Adjustment to Block # 18 and # 19 (solvent system only) to read 877.45 pounds and 87.745% in order that the total wt. and total % by wt. equals 1000 pounds and 100.00% respectively.
5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

John H. Lee   
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure