

SAN-O-DYNE TO BE  
 inserted in place of LONZA formulation S-37

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. LONZA FORMULATION S-37 has been formulated to aid in the reduction of cross-contamination in these areas. LONZA FORMULATION S-37 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 S-37 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, LONZA FORMULATION S-37 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

**320 SAN-O-DYNE**

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

**Active Ingredients**

Octyl Decyl Dimethyl Ammonium Chloride	2.10%
Dioctyl Dimethyl Ammonium Chloride	1.05%
Didecyl Dimethyl Ammonium Chloride	1.05%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%)	
Dimethyl Benzyl Ammonium Chloride	2.80%

**Inert Ingredients**

93.00%  
 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. 713-

EPA Establishment No. 713-TX

Net Contents

MANUFACTURED BY: Atlas Mfg. Co.  
 Dallas, Texas  
 as amended by EPA Reg. 713-22

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-37 is a proven "one-step" cleaner - disinfectant - sanitizer - fungicide - mildewstat - virucide in the presence of moderate amounts of organic soil.

Apply LONZA FORMULATION S-37 to walls, floors and other hard (inanimate) non porous surfaces such as tables, chairs, countertops, tile, porcelain, sinks and bed frames 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 1 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATIONS-37 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:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Proteus mirabilis
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Salmonella schottmuelleri
- Streptococcus faecalis
- Shigella dysenteriae
- Brevibacterium ammoniagenes
- Serratia marcescens
- Salmonella typhi

**Fungicidal Performance**  
 LONZA FORMULATION S-37 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, etc. at 1 oz/gallon.

**Mold and Mildew Control**  
 At 1 oz. gallon, LONZA FORMULATIONS-37 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 FORMULATIONS-37 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 1 oz. per 3.5 gal on use level, LONZA FORMULATION S-37 is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae in the presence of 5% serum on porous and non-porous environmental surfaces. Treated surface must remain wet for 2 minutes.

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e. Include the zip code.

3. As per phone conversation between Mr. Gonzalez and Mr. Cartwright on December 1, 1982, the following clarification has been made to your Confidential Statement of Formula.

4. The confirmatory data submitted for the above referenced product is acceptable and has been assigned the Accession Number 24866c.

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.

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

Enclosures