

Reg # 6836-78

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

LONZA FORMULATION R-82 is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal\* (including HIV-1), fungicidal, and inhibits the growth of mold and mildew and their odors when used as directed.

LONZA FORMULATION R-82 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces. When used as directed, LONZA FORMULATION R-82 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 or fatal if swallowed or absorbed through skin. Avoid contamination of food.

**STORAGE AND DISPOSAL**

- Do not contaminate water, food, or feed by storage or 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.

PM-31

**LONZA  
FORMULATION R-82**

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	2.604%
Didecyl dimethyl ammonium chloride	3.906%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</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 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 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.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

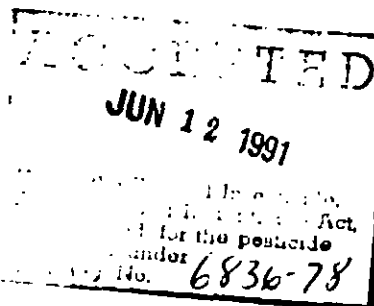
**EPA Registration No.**

6836-78

**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 R-82 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 to walls, floors and other hard (inanimate) non-porous surfaces, such as tables, chairs, countertops, sinks, tile, porcelain, 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, add 0.5 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION R-82 has been evaluated in the presence of 5% serum and 400 ppm hard water 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*  
*Klebsiella pneumoniae*  
*Enterobacter aerogenes*  
*Salmonella schottmuelleri*  
*Streptococcus faecalis*  
*Shigella dysenteriae*  
*Brevibacterium ammoniagenes*  
*Salmonella typhi*  
*Serratia marcescens*  
*Pseudomonas cepacia*

**Non-Acid Toilet Bowl Disinfectant/Cleaner Application**

1. Add 0.5 oz. to the bowl (0.75 gallon) and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.
2. Empty toilet bowl or urinal and apply a 0.5 oz./gal. use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or mechanical spray.

**\*VIRUCIDAL PERFORMANCE -**

At 0.5 oz. per gallon use-level, LONZA FORMULATION R-82 was evaluated in the presence of 5% serum and 400 ppm hard water for a contact time of 10 minutes at room temperature (20-25°C) against the following viruses found on inanimate hard, non-porous environmental surfaces:

HIV-1 (AIDS virus)  
Influenza A/Brazil  
Herpes Simplex Types 1 and 2  
Vaccinia

**BEST AVAILABLE COPY**

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SURF  
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## Inert Ingredients

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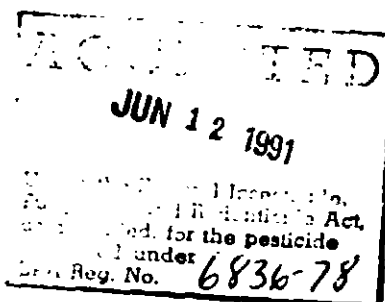
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**DISINFECTION** - to disinfect hard, non-porous surfaces, add 0.5 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of LONZA FORMULATION R-82 has been evaluated in the presence of 5% serum and 400 ppm hard water 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:

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*Escherichia coli*  
*Streptococcus pyogenes*  
*Klebsiella pneumoniae*  
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*Brevibacterium ammoniagenes*  
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*Pseudomonas cepacia*

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At 0.5 oz. per gallon use-level, LONZA FORMULATION R-82 was evaluated in the presence of 5% serum and 400 ppm hard water for a contact time of 10 minutes at room temperature (20-25°C) against the following viruses found on inanimate hard, non-porous environmental surfaces:

HIV-1 (AIDS virus)  
Influenza A/Brazil  
Herpes Simplex Types 1 and 2  
Vaccinia

\*KILLS HIV ON PRE-CLEAN SURFACES/OBJECTS PREVIOUSLY BLOOD/BODY FLUIDS in health other settings in which the likelihood of soiling surfaces/objects with blood in which the surfaces/objects with blood or body fluids can the potential for trans immunodeficiency virus Type 1 with AIDS).

\*SPECIAL INSTRUCTIONS FOR DECONTAMINATION AGAINST HIV-1 SOILED WITH BLOOD/BODY FLUIDS.

\*CONTACT TIME: Leave surface with 0.5 oz. per gallon use-sol

**CLEANING PROCEDURE:** Blood and containing HIV must be thoroughly surfaces and objects before a FORMULATION R-82.

**PERSONAL PROTECTION:** Clean-up done wearing protective latex masks and eye protection.

**DISPOSAL OF INFECTIOUS MATERIALS:** fluids, cleaning materials and autoclaved and disposed of regulations for infectious

## FUNGICIDAL PERFORMANCE -

LONZA FORMULATION R-82 is an against Trichophyton ment athlete's foot fungus) when used areas such as locker rooms, showers, and bath areas, exert 0.5 oz./gallon.

**MOLD AND MILDEW CONTROL.** A FORMULATION R-82 will effect growth of mold and mildew and them when applied to hard, (as indicated in general instructions. Allow to dry on surface and growth returns.

**SANITIZING NON-FOOD CONTACT** floors, walls, tables, etc. 5.5 gallon use-level, LONZA FORMULATION R-82 is an effective sanitizer against aureus and Klebsiella pneumoniae and non-porous environmental surfaces must remain wet for 6

## PELIGRO:

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**COMMUN**

**PROSER**

1429 Fairmount Ave. NW.  
Atlanta, GA 30381-46501

Attention: Gerard Longtin

Gentlemen:

Subject: BR-62B  
EPA Registration No. 2155-117  
Your Submission Dated March 15, 1991  
EPA Received Date March 19, 1991

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you submit five (5) copies of your final printed labeling before you release the product for shipment.

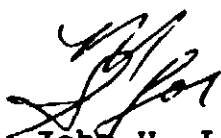
The submitted data are acceptable to support the formula change. The revised Confidential Statement of Formula with changes in the inert ingredient has been reviewed and found to be acceptable. The amendment request to add additional organisms to your label is acceptable.

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

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

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-557-3966.

Sincerely yours,



John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505-C)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**BEST AVAILABLE COPY**

A concentrated, multi-purpose germicidal detergent and deodorant effective in hard waters up to 400 ppm hard water (calculated as CaCO<sub>3</sub>) plus 5% organic serum. Disinfects, cleans, and deodorizes in one labor saving step. Recommended for use in hospitals, nursing homes, schools, colleges, veterinary clinics and animal life science laboratories and federally inspected meat and poultry establishments, equine farms, tack shops, pet shops, airports, kennels, hotels and motels, poultry and turkey farms, dairy farms, and hog farms, breeding and grooming establishments.

Bactericidal @1:128 dilution (1 ounce per gallon of water) against the following organisms according to the current AOAC. Use dilution test method, modified in the presence of 400 ppm synthetic hard water (calculated as CaCO<sub>3</sub>) plus 5% organic serum.

<i>Pseudomonas aeruginosa</i>	<i>Klebsiella pneumoniae</i>	<i>Funsectum necrophorum</i>
<i>Staphylococcus aureus</i>	<i>Proteus vulgaris</i>	<i>E. coli</i>
<i>Salmonella Choleraesuis</i>	<i>Serratia marcescens</i>	<i>Staphylococcus aureus</i> (antibiotic resistant)
<i>Enterobacter cloacae</i>	<i>Shigella flexneri</i>	<i>Streptococcus faecalis</i> (antibiotic resistant)
<i>Streptococcus pyogenes</i>	<i>Shigella sonnei</i>	<i>E. coli</i> (antibiotic resistant)
<i>Streptococcus lactis</i>	<i>Salmonella typhi</i>	<i>Klebsiella pneumoniae</i> (antibiotic resistant)
<i>Enterobacter aerogenes</i>	<i>Proteus mirabilis</i>	<i>Staphylococcus epidermidis</i> (antibiotic resistant)
<i>Salmonella typhimurium</i>		<i>Pseudomonas aeruginosa</i> (antibiotic resistant)

Fungicidal against *Trichophyton interdigitale* and *Candida albicans* according to the AOAC Fungicidal Test, modified in the presence of 400 ppm hard water (calculated as CaCO<sub>3</sub>) plus 5% organic serum @1:128 dilution.

\*Virucidal against the following viruses according to the virucidal qualification, modified in the presence of 400 ppm hard water plus 5% organic serum @1:128 dilution. (1 oz. per gal. of water).

<i>Canine Parvovirus</i>	<i>Porcine parvovirus</i>	<i>Rubella</i>
<i>Canine distemper virus</i>	<i>Influenza A/Hong Kong</i>	<i>Adenovirus type 4</i>
<i>Rabies virus</i>	<i>Herpes simplex type 1</i>	<i>Pseudorabies virus</i>
<i>Feline leukemia virus</i>	<i>Herpes simplex type 2</i>	<i>Infectious bronchitis virus (IBV)</i>
<i>Feline panleukopenia virus</i>	<i>Varicella</i>	

\*Kills HIV-1 (AIDS virus) on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in healthcare 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 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

**Personal Protection:** Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures. **Cleaning Procedures:** Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

**Contact Time:** Effective against HIV-1 (AIDS virus) on hard non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) when used at a 1:128 dilution (providing 600 ppm of active quaternary) on 400 ppm CaCO<sub>3</sub> hard water for a contact time of 4 minutes at room temperature (20-25° C). Use a ten (10) minute contact time for disinfection against all other bacteria, fungi, and viruses claimed (listed on labeling).

**Disposal of Infectious Materials:** Blood and other body fluids should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

EPA Reg. No. 2155-117  
EPA Est. No. 2155-GA-1

CONTROL  
NUMBER

5202/020980

NET CONTENTS  
GALLONS

# BR-62B

## ONE STEP GERMICIDAL DETERGENT AND DEODORANT

Pseudomonacidal • Staphylocidal • Salmonellacidal  
• Fungicidal • Virucidal

### ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride	4.61
n-Alkyl (C14 50%, C12 40%, C16 10%)	
dimethyl benzyl ammonium chloride	3.07
INERT INGREDIENTS:	92.32

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

Manufactured for:

**I. SCHNEID INC.**  
1429 FAIRMONT AVE., N. W.  
ATLANTA GA 30381-4601

ACC  
JUN