

Precautionary Statements**Hazards to Humans and Domestic Animals**

DANGER. 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 the skin. Remove and wash contaminated clothing before reuse. Avoid contamination of food.

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.

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.

ENVIRONMENTAL HAZARDS

(containers greater than 5 gallons)

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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 mixture or 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 by 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 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 CaCO₃) in the presence of 5% serum contamination

Formulated for Effective Poultry Premise Sanitation

Formulated for Effective Swine Premise Sanitation

Active Ingredients

Octyl decyl dimethyl ammonium chloride	6.510%
Diocetyl dimethyl ammonium chloride	2.604%
Didecyl dimethyl ammonium chloride	3.906%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	8.680%

Inert Ingredients

78.300%
100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Registration No.
EPA Establishment No.
Net Contents

6836-78
6836-IL-1

Manufactured by:

LONZA INC., 17-17 Route 208, Fair Lawn, NJ 07410

ACCEPTED

MAY 27 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 6836-78

BEST AVAILABLE COPY

PH 31 6836-78 5-27-97

1045

BEST AVAILABLE COPY

This product contains no phosphorous.

When used as directed, LONZA FORMULATION R-82 will clean and 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.

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

LONZA FORMULATION R-82 is authorized by the USDA for use in federally inspected meat and poultry plants.

LONZA FORMULATION R-82 delivers unsurpassed non-acid cleaning performance in an economical concentrate. Powerful, effective, yet economical, LONZA FORMULATION R-82, is a heavy-duty disinfectant cleaner that disinfects, cleans and deodorizes in one labor-saving step.

LONZA FORMULATION R-82 is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

LONZA FORMULATION R-82 maximizes labor results by effectively controlling malodors.

LONZA FORMULATION R-82 delivers non-acid disinfectant performance in an economical concentrate.

LONZA FORMULATION R-82 is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures, and toilet bowls.

Use LONZA FORMULATION R-82 to clean and disinfect finished floors, sinks, tubs.

LONZA FORMULATION R-82 is for use in kitchens, bathrooms and other household areas.

LONZA FORMULATION R-82 is formulated for use in daily maintenance programs with a balance of detergents, biocides, and malodor counteractants that deliver effective cleaning, disinfecting, and malodor control.

LONZA FORMULATION R-82 will not leave grit or soap scum.

LONZA FORMULATION R-82 is a versatile Disinfectant & Sanitizer for Veterinarian, Animal Care, and Agricultural applications.

LONZA FORMULATION R-82 is recommended for use on coils and drain pans of air conditioning and refrigeration equipment and heat pumps.

LONZA FORMULATION R-82 is a versatile cleaner and broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

Use LONZA FORMULATION R-82 to clean and disinfect non-porous salon (barber) tools and instruments: comb, brushes, scissors, blades, and manicure instruments.

Use LONZA FORMULATION R-82 to clean and disinfect finished floors. Apply with damp mop or autoscrubber. Clean and disinfects without dulling gloss.

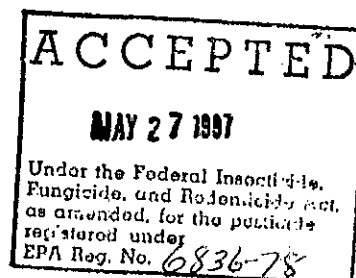
To limit gloss reduction, use LONZA FORMULATION R-82 at 0.5 ounces per gallon. Do not use on floor finish at 2 oz. per gallon.

LONZA FORMULATION R-82 may be used in hospitals, homes, medical and dental offices, nursing homes, day care centers, nurseries, restaurants, bars, cafeterias, institutional kitchens, convenience stores, crimes scenes, food storage areas, institutional facilities, public rest rooms, institutions, schools, athletic facilities, camp grounds, play grounds, public facilities, food processing plants, USDA inspected food processing facilities, dairy farms, hog farms, poultry and turkey farms, kennels, pet animal quarters, zoos, pet shops, animal laboratories, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes.

LONZA FORMULATION R-82 may be used on washable hard non-porous surfaces including countertops, stovetops, sinks, appliances, refrigerators, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, bedframes, washable walls, cabinets, doorknobs, telephones, shower stalls, tubs and tiles, whirlpool bath tubs, toilets, portable toilets, porcelain lining, garbage cans, refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps, stainless steel, enameled surfaces, woodwork, formica, vinyl, leather and plastic upholstery, bathtubs, shower stalls, sinks, urinals, toilet bowls, toilet bowl surfaces, related fixtures, walls, kennel runs, cages, floors, conductive flooring and other hard non-porous surfaces (such as metal, stainless steel, glazed porcelain, ceramic fiberglass, stone and plastic).

LONZA FORMULATION R-82 is recommended for Poultry Premise Sanitation (Hatcheries); Egg Receiving Area, Egg Holding Area, Setter Room, Tray Dumping Area, Trays, Buggies, Racks, Egg Flats, Chick Holding Room, Hatchery Room, Chick Processing Area, Chick Loading Area, Poultry Buildings, Ceilings, Sidewalls, and Floors, Drinkers and other Poultry House related Equipment, and all other surfaces in the Hatchery Environment.

LONZA FORMULATION R-82 is recommended for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and Areas, Nursery Blocks, Creep Area, Chutes.



205

LONZA FORMULATION R-82 is a concentrated one-step (Hospital Use) disinfectant-cleaner that is effective against a broad spectrum of bacteria, is virucidal, (including HIV-1, the AIDS virus), 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.

LONZA Formulation R-82 kills *Pseudomonas aeruginosa* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*), *Methicillin-Resistant Staphylococcus aureus* (MRSA), *Salmonella choleraesuis* (*Salmonella*), *Escherichia coli* (*E coli*), *Klebsiella pneumoniae* (*Klebsiella*), *Salmonella typhi* (*Salmonella*), *Shigella dysenteriae* (*Shigella*), *Streptococcus faecalis* (*Enterococcus faecalis*), *Streptococcus pyogenes* (*Strep*), *Brevibacterium ammoniagenes* (*Brevibacterium*) HIV-1 (the AIDS virus), Herpes Simplex Virus Types 1 & 2 (Herpes), Influenza Type A/Brazil (Influenza), Adenovirus Type 5 (Adenovirus), Vaccinia (Pox Virus), Trichophyton mentagrophytes (the Athlete's Foot Fungus).

LONZA FORMULATION R-82 eliminates 99.99% of harmful *Staphylococcus aureus* and *Klebsiella pneumoniae* in 60 seconds.

LONZA FORMULATION R-82 has been authorized by the USDA for use in inedible and nonprocessing areas in federally inspected food processing plants.

LONZA FORMULATION R-82 meets AOAC Use-Dilution Test standards for hospital disinfectants.

LONZA FORMULATION R-82 meets AOAC Use-Dilution Test standards for hard surface disinfectants.

LONZA FORMULATION R-82 meets EPA's Sanitizer Test standards for non-food contact surface sanitizers.

LONZA FORMULATION R-82 is effective against Avian Influenza virus, Avian Infectious Bronchitis virus, Pseudorabies virus, Canine Distemper virus, Newcastle's Disease virus.

LONZA FORMULATION R-82 is a Hospital Use Disinfectant at 1:256 dilution (0.5 oz. per gallon), Bactericidal according to the current AOAC Use-Dilution Test method and Virucidal according to the virucidal qualification modified in the presence of 400 ppm hard water plus 5% organic serum against.

Pseudomonas aeruginosa

Salmonella choleraesuis

Staphylococcus aureus

Staphylococcus aureus (methicillin-resistant)

Brevibacterium ammoniagenes

Enterobacter aerogenes

Escherichia coli

Enterococcus faecalis (vancomycin-resistant)

Staphylococcus aureus (multidrug-resistant)

*

HIV-1 (AIDS virus)

Herpes Simplex Type 2

Influenza A/Brazil

Klebsiella pneumoniae

Salmonella schottmuelleri

Serratia marcescens

Shigella dysenteriae

Streptococcus pyogenes

Streptococcus faecalis

Vibrio cholerae

Salmonella typhi

Pseudomonas cepacia

Herpes Simplex Type 1

Vaccinia

Adenovirus Type 5 at

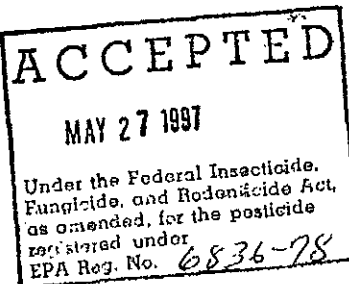
1:64 dilution (2 oz/gal)

LONZA FORMULATION R-82 is a sanitizer for hard and non-porous, non-food contact surfaces at 1:1024 dilution (200 ppm active, 0.5 oz. per 4 gallons) according to the method for Sanitizers-Non-Food Contact Surfaces, modified in the presence of 500 ppm hard water plus 5% organic serum in 60 seconds against:

Klebsiella pneumoniae

Staphylococcus aureus

LONZA FORMULATION R-82 is a mildewstat at 1:256 dilution (0.5 oz./gal) and 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 the general instructions above).



BEST AVAILABLE COPY

345

DIRECTIONS FOR USE

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

Preparation of use-solution:

Add (mix) 0.5 oz. per gallon of water (1:256) to disinfect hard, non-porous surfaces.

For heavy-duty use, add (mix) 2 oz. per gallon of water (1:64) to disinfect hard, non-porous surfaces.

Disinfection/Virucidal/Mold and Mildew Control directions:

Apply use-solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge, or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

For spray applications, use a coarse spray device. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breath spray mist.

Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use solution becomes diluted or soiled.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

Sanitizing Non-Food Contact Surfaces Directions:

Add (mix) 0.5 oz. per 4 gallons of water to sanitize hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Non-Acid Toilet Bowl Disinfectant/Cleaner Directions:**From Concentrate**

Add 0.5 oz. to the toilet bowl and mix. Brush over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

From Use-Solution

Empty toilet bowl or urinal and apply 0.5 oz. per gallon 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.

For Heavy-Duty Use

Empty toilet bowl or urinal and apply 2 ounces per gallon use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

Salon (Barber) Instruments and Tools Disinfectant Directions:

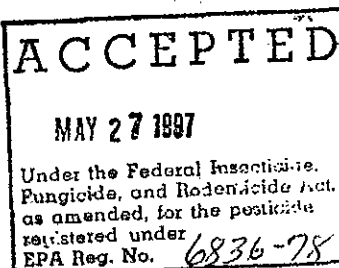
Mix 1 ounce (30 ml) of LONZA FORMULATION R-82 per gallon of water or 0.25 ounces (7.5 ml) of LONZA FORMULATION R-82 per quart of water to disinfect non-porous instruments and tools. Completely immerse combs, brushes, rollers, manicure and other salon instruments and tools for 10 minutes. For heavily soiled instruments and tools, a preliminary cleaning is required. Rinse thoroughly and dry before use. Fresh solution should be prepared daily or more often if solution becomes diluted or soiled.

NOTE: Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

Fungicidal Directions:

LONZA FORMULATION R-82 at 0.5 oz. per gallon of water (1:256), in 400 ppm hard water 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. In addition, LONZA FORMULATION R-82 at 1 oz. per gallon (1:128) in 250 ppm hard water and 5% serum is an effective fungicide against Trichophyton mentagrophytes.

BEST AVAILABLE COPY



445

For Use on Finished Floors:

To limit gloss reduction, use **LONZA FORMULATION R-82** at 0.5 ounce per gallon.

Ultrasonic Bath Disinfectant Directions:

Use **LONZA FORMULATION R-82**, to disinfect hard (inanimate) non-porous objects compatible with Ultrasonic cleaning units.

Pour fresh solution at 0.5 oz. per gallon of water (1:256) directly into bath chamber. Preclean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturer's directions.

Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

"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 on 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-1 must be thoroughly cleaned from surfaces and objects before application of **LONZA FORMULATION R-82**.

CONTACT TIME: Leave surface wet for 60 seconds with 0.5 oz. per gallon use-solution. Use a 10 minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

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.

Poultry and Swine Premise Disinfectant Directions:

Remove all animals and feeds from premises, trucks, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 0.5 oz. of **Lonza Formulation R-82** per gallon of water. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. Ventilate buildings, coops, and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Hatcheries:

Use 0.5 oz. of **Lonza Formulation R-82** per gallon of water, to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

Vehicles:

Clean all vehicles including mats, crates, cabs and wheels with high pressure water and **Lonza Formulation R-82**. Use 0.5 oz. of **Lonza Formulation R-82** per gallon of water to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more.

Shoe Bath Sanitizer Directions:

To prevent tracking of harmful organisms into animal areas, shoe baths containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Scrape shoes and place in a 0.5 oz. per gallon of water solution for 60 seconds prior to entering area.

Change the disinfectant solution in the bath daily or when solution appears diluted or soiled.

Dressing Plant Disinfectant Directions: Gross filth and heavy soil must be removed prior to application of the product. Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants with a solution of 0.5 oz. per gallon of water. Equipment and utensils must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed. Disinfect offal rooms, exterior walls and loading platforms of dressing plants.

BEST AVAILABLE COPY

