

6836-139

12/14/2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

DEC 14 2000

ATTENTION: Ruth Trager

SUBJECT: LONZA Formulation R-82F
EPA Registration Number 6836-139
Your Amendment Dated: September 18, 2000
EPA Received Date: September 19, 2000

The amendment referred to above, submitted in connection with registration under FIFRA as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

A. Revise the Precautionary Statements by deleting the following statement: "Avoid contamination of food."

B. As per the Agency letter of 11/19/00 on page 4, left panel in the third section revise as follows: "Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. *For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray.*" Then follow with "Treated surface must remain wet for 10 minutes..."

C. Add the following statement to the directions for Disinfection / Virucidal* / Fungicidal / Mold and Mildew: "*After use to disinfect food contact surfaces, rinse with potable water.*"

CONCURRENCES							
SYMBOL	7510C						
SURNAME	J. Trager						
DATE	12/12/00						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D. So that this label will agree with that for Reg. No. 6836-278, revise the directions as a "Non-Acid Toilet Bowl Disinfectant/Cleaner" as follows. Revise the "From Use Solution" and "For Heavy Duty Use" to state "...under the rim with a cloth, mop, sponge or mechanical sprayer, brush or swab thoroughly and allow to stand for ..."

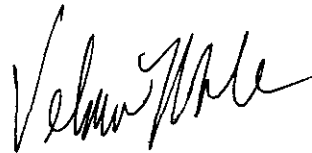
E. On page five, revise the directions for sanitizing food and non-food contact surfaces to include the statement: "Allow to air dry."

F. Revise the directions for "Farm Premise Use" as follows: "Ventilate buildings, cars, trucks, boats and other closed spaces." This will bring this label into agreement with that for Reg. No. 47371-129.

2. Submit two (2) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

Enclosure

7510C:T.Lantz:12/11/00:6836-139c

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Harmful if swallowed and/or if absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing before reuse. Avoid contamination of food.

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

(If container size is 5 gallons or larger, use the following Environmental Hazards statements:)

ENVIRONMENTAL HAZARDS

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.

(If container is one gallon or less, use the following Storage and Disposal statements:)

STORAGE AND DISPOSAL

Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

(If container is greater than one gallon, use the following storage and disposal statements:)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

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

(Plastic containers): 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 Containers): 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.

LONZA FORMULATION R-82F

One-Step Disinfectant - Cleaner - Sanitizer - Fungicide
Mildewstat - Virucide* - Deodorizer
for Homes, 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
Formulated for Effective Farm Premise Use

Active Ingredients:

Octyl decyl dimethyl ammonium chloride	6.510%
Dioctyl 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%
Total:	100.000%

KEEP OUT OF REACH OF CHILDREN

**DANGER
(PELIGRO)**

SEE LEFT/ SIDE/ RIGHT/ BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Reg. No. 6836-139

EPA Est. No. (insert EPA Establishment No. here)

Net Contents (insert container size here)

Manufactured by:

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 14 2000

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

6836-139

This product contains no phosphorous.

When used as directed, **LONZA FORMULATION R-82F** 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 malodors.

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

LONZA FORMULATION R-82F is recommended for use in federally inspected meat and poultry plants. USDA category D2 - a sanitizer for all surfaces not always requiring a rinse.

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

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

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

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

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

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

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

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

LONZA FORMULATION R-82F is a versatile disinfectant and sanitizer for Veterinarian, Animal Care and Farm Premise applications.

LONZA FORMULATION R-82F is recommended for use on coils and drain pans of air conditioning and refrigeration equipment and heat pumps. Follow the directions for sanitization of non-food contact surfaces.

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

Use **LONZA FORMULATION R-82F** to clean and disinfect nonporous salon (barber) tools and instruments: combs, brushes, scissors, blades and manicure instruments.

Use **LONZA FORMULATION R-82F** to clean and disinfect finished floors. Can be applied with damp mop or autoscrubber. Cleans and disinfects without dulling gloss.

To limit gloss reduction use **LONZA FORMULATION R-82F** at 1/2 per gallon.

Do not use on floor finish at 2 oz. per gallon.

LONZA FORMULATION R-82F is for use in hospitals, homes, medical and dental offices, nursing homes, day care centers, nurseries, restaurants, bars, cafeterias, institutional kitchens, convenience stores, food storage areas, public rest rooms, institutions, schools, athletic facilities, camp grounds, 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, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes.

LONZA FORMULATION R-82F is for use on the following washable hard, nonporous surfaces: floors, walls, countertops, stovetops, sinks, appliances, refrigerators, cabinets, highchairs, garbage cans, refrigerated storage and display equipment, tables, picnic tables, outdoor furniture, chairs, desks, telephones, doorknobs, shower stalls, tubs and tiles, whirlpool bathtubs, toilets, bathtubs, shower stalls, sinks, urinals, toilet bowls, toilet bowl surfaces, other bathroom fixtures, kennel runs, cages, coils and drain pans of air conditioning and refrigeration equipment and heat pumps, conductive flooring and hard nonporous surfaces made of metal, glazed porcelain, glazed ceramic, fiberglass, plastic, porcelain lining, stainless steel, enameled surfaces, finished woodwork, Formica®, vinyl and plastic upholstery.

LONZA FORMULATION R-82F 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 hard nonporous surfaces in the Hatchery environment.

LONZA FORMULATION R-82F is recommended for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns, Nurseries, Nursery blocks, Creep area, Chutes.

with COMMENTS
in EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 6836-139

LONZA FORMULATION R-82F 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-82F is an effective one-step sanitizer-cleaner for use on food contact as well as non-food contact surfaces.

LONZA FORMULATION R-82F kills *Pseudomonas aeruginosa* (*Pseudomonas*), *Pseudomonas cepacia* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*), *Methicillin-Resistant Staphylococcus aureus* (*MRSA*), *Staphylococcus aureus* (*Multi-Drug Resistant*), *Staphylococcus aureus* (*Vancomycin Intermediate Resistant - VISA*), *Salmonella choleraesuis* (*Salmonella*), *Salmonella schottmuelleri* (*Salmonella*), *Salmonella typhi* (*Salmonella*), *Streptococcus pyogenes* (*Strep*), *Streptococcus faecalis* (*Enterococcus faecalis*), *Enterococcus faecalis* (*Vancomycin resistant - VRE*), *Vibrio cholerae*, *Acinetobacter baumannii* (*Acinetobacter*), *Brevibacterium ammoniagenes* (*Brevibacterium*), *Enterobacter aerogenes*, *Escherichia coli* (*E. coli*), *Klebsiella pneumoniae* (*Klebsiella*), *Serratia marcescens*, *Shigella dysenteriae* (*Shigella*), *Adenovirus Type 5* (*Adenovirus*), *HIV-1* (the *AIDS Virus*), *Herpes Simplex Virus Types 1 & 2* (*Herpes*), *Influenza Type A / Brazil* (*Influenza*), *Vaccinia* (*Pox Virus*), *Trichophyton mentagrophytes* (the *Athlete's Foot Fungus*).

LONZA FORMULATION R-82F eliminates 99.9% of *Staphylococcus aureus* and *Klebsiella pneumoniae* in 60 seconds.

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

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

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

LONZA FORMULATION R-82F is effective against Citrus Canker Disease (*Xanthomonas axonopodis* pv. *citri*) at 2000-ppm active quat.

LONZA FORMULATION R-82F is a Hospital Use Disinfectant at 1:256 dilution (½ 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
Staphylococcus aureus
Salmonella choleraesuis

Acinetobacter baumannii
Brevibacterium ammoniagenes
Enterobacter aerogenes
Enterococcus faecalis - *Vancomycin resistant (VRE)*
Escherichia coli
Klebsiella pneumoniae
Pseudomonas cepacia
Salmonella schottmuelleri
Salmonella typhi
Serratia marcescens
Shigella dysenteriae
Staphylococcus aureus *Methicillin-Resistant (MRSA)*
Staphylococcus aureus *Multi-Drug Resistant*
Staphylococcus aureus *Vancomycin Intermediate Resistant - (VISA)*
Streptococcus pyogenes
Vibrio cholerae

**Herpes Simplex Virus Types 1 & 2*

**HIV-1 (AIDS Virus)*

**Influenza Type A / Brazil*

**Vaccinia (Pox Virus)*

**Adenovirus Type 5* at 1:64 dilution (2 oz. per gallon)

LONZA FORMULATION R-82F is a sanitizer for hard nonporous non-food contact surfaces at 1:1024 dilution (200 ppm active, ½ 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-82F is a mildewstat at 1:256 dilution (½ oz. per gallon) and will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard nonporous surfaces.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 14 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 68-36-139

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) ½ oz. per gallon of water (1:256) to disinfect hard, nonporous surfaces.

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

Disinfection / Virucidal* / Fungicidal / Mold and Mildew Control Directions:

Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop. Prepare a fresh solution daily or more often if use solution becomes visibly soiled or diluted.

For heavily soiled areas, a preliminary cleaning is recommended.

For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray.

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.

Non-Acid Toilet Bowl Disinfectant / Cleaner Directions:

Remove gross filth prior to disinfection.

From Concentrate:

Add ½ oz. to the 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 ½ oz. per gallon use-solution to exposed surfaces and 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 oz. 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.

FOR USE ON FINISHED FLOORS: To limit gloss reduction use LONZA FORMULATION R-82F at ½ oz. per gallon. Apply with a damp mop or autoscrubber.

TO CLEAN AND DEODORIZE: Mix ½ oz. per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Let air dry.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 14 2000

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

Lonza Formulation R-82F
EPA Reg. No. 6836-139
EPA amendment 9/18/00

Salon (Barber) Instruments and Tools Disinfection / Virucide / Fungicide Directions:

Mix 1 oz. (30 ml) of LONZA FORMULATION R-82F per gallon of water (¼ oz. [7.5 ml] of LONZA FORMULATION R-82F per quart of water) to disinfect hard, nonporous 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:

For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

LONZA FORMULATION R-82F at ½ oz. per gallon (1:256) in 250 ppm hard water and 5% serum is an effective one-step fungicide against Trichophyton mentagrophytes.

LONZA FORMULATION R-82F at ½ 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 pre-cleaned surfaces.

MOLD AND MILDEW CONTROL: At ½ oz. per gallon, **LONZA FORMULATION R-82F** will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, nonporous surfaces. Follow disinfection instructions. Allow to dry on surface. Repeat when mildew growth returns.

***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 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 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-82F**.

CONTACT TIME: Leave surface wet for 1 minute (60 seconds) with ½ 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.

6836-139

ULTRASONIC BATH DISINFECTANT DIRECTIONS:

Use LONZA FORMULATION R-82F to disinfect hard nonporous noncritical objects compatible with Ultrasonic cleaning units. Pour fresh solution of ½ oz. of Lonza Formulation R-82F per gallon of water (1:256) directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the 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.

SANITIZING NON-FOOD CONTACT SURFACE DIRECTIONS:

Add (mix) ½ oz. per 4 gallons of water to sanitize hard nonporous surfaces. Treated surfaces must remain wet for 60 seconds.

SANITIZING FOOD CONTACT SURFACES: Use ½ oz. Lonza Formulation R-82F per 4 - 5 ½ gallons of water (200 - 150 ppm) for sanitizing and cleaning of equipment and utensils in food processing, dairy industry, bars, restaurants, institutional kitchens, meat and poultry processing plants and farms. Do not rinse with water.

For heavily soiled equipment or utensils, pre-wash with Lonza Formulation R-82F. Rinse with clean water then apply recommended dilution of Lonza Formulation R-82F with a cloth, coarse mechanical spray device (spray surface until thoroughly wetted) or immersion. Treated surfaces must remain wet for one minute. Prepare a fresh solution for every use. DO NOT reuse mechanically applied use solution for sanitizing. Lonza Formulation R-82F can be used in accordance with the U.S. Public Health Service food service sanitization recommendations.

**U.S. PUBLIC HEALTH SERVICE
FOOD SERVICE SANITIZATION RECOMMENDATIONS**

CLEANING AND SANITIZING: Equipment and utensils shall be thoroughly pre-flushed or pre-scraped and when necessary, pre-soaked to remove gross food particles and soil.

1. Thoroughly wash equipment and utensils in hot detergent solution.
2. Rinse utensils and equipment thoroughly with clean water.
3. Sanitize equipment and utensils by immersion in a ½ oz. per 4 - 5 ½ gallon solution of Lonza Formulation R-82F (200 - 150 ppm active) for at least 60 seconds at a temperature of 75°F.
4. For equipment and utensils too large to sanitize by immersion, apply a ½ oz. per 4 - 5 ½ gallon solution of Lonza Formulation R-82F (200 - 150 ppm active) by rinsing, spraying or swabbing until thoroughly wetted.
5. Allow sanitized surface to drain and air dry. Do not rinse

POULTRY AND SWINE PREMISE DISINFECTION DIRECTIONS:

Remove all animals and feeds from premises, vehicles, and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures 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 ½ oz. of LONZA FORMULATION R-82F per gallon of water. Saturate surfaces with the recommended disinfecting solution for 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, cars, trucks, 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, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

HATCHERIES: Use ½ oz. of LONZA FORMULATION R-82F per gallon of water to treat the following hard nonporous surfaces: hatching, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces wet for 10 minutes or more. Then allow to air dry.

VEHICLES: Clean all vehicles including mats, crates, cabs and wheels with high pressure water and LONZA FORMULATION R-82F. Use ½ oz. of LONZA FORMULATION R-82F per gallon of water to treat all vehicles. Leave all treated surfaces wet for 10 minutes or more.

SHOE BATH SANITIZER DIRECTIONS: To prevent tracking harmful organisms into animal areas, shoe baths containing one inch of freshly made solution should be placed at all entrances to buildings and hatcheries. Scrape waterproof work boots and place in a ½ oz. per 4 gallons of water solution for 60 seconds prior to entering area. Change the solution in the bath daily or more often if solution appears diluted or soiled.

DRESSING PLANT DISINFECTANT DIRECTIONS: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all surfaces with a ½ oz. of Lonza Formulation R-82F per gallon of water solution. Scrub to loosen all soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 14 1988

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,

Page 5 of 6 registered under EPA Reg. No. 6836-139

8 7 8

**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL
LABORATORY / ZOOS / PET SHOP / KENNELS
DISINFECTION DIRECTIONS:**

For cleaning and disinfecting the following hard nonporous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of ½ oz. of LONZA FORMULATION R-82F per gallon of water (*or equivalent dilution*) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

FARM PREMISE USE:

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures 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. Saturate all surfaces with a use-solution of ½ oz. of LONZA FORMULATION R-82F per gallon of water (*or equivalent dilution*) for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used for removing litter and manure. Ventilate buildings, cars, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

CITRUS CANCER DISEASE CONTROL:

For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. citri (Citrus Canker Disease) at 2000 ppm active quat. Treat all equipment thoroughly with a dilution ratio of 1:109 (1.2 oz. of Lonza Formulation R-82F per gallon of water or 6 oz. of Lonza Formulation R-82F per 5 gallons of water, or equivalent dilution) (2000 ppm active quat). Treatments can be applied to outer clothing, shoes, trucks, attached trailers, field harvesting equipment including cargo area, wheels, tires, undercarriage, hood, roof, fenders, and any other part of the transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing. After use, all surfaces that come in contact with food or crop must be rinsed with potable water. Clothing should be either rinsed or laundered before reuse. Footwear should be rinsed before reuse.

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In EPA Letter Dated:

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