

Ms. Samantha Bates
Lewis & Harrison
122 C Street, NW
Suite 740
Washington, DC 20001

OCT 18 2002

Subject: Lonza Formulation R-82
EPA Registration No. 6836-78
Amendment Date: April 26, 2002
EPA Receipt Date: April 26, 2002

Dear Ms. Bates,

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable with the following conditions.

- Addition of microorganisms
- Update the label

Conditions

Revise the label as follows:

1. On pages 2, 4, and 6, delete Hepatitis C Virus. Also, delete Hantavirus on page 4.
2. Page 5: Delete the "Bactericidal Stability of Use-Solution" claim. The cited study was not reviewed because it was determined to be a product chemistry study. You will need to submit efficacy data to support this type of claim.
3. Page 5: Revise the "For Heavy Duty Use," directions for toilet bowls by adding the phrase, "*Brush or swab thoroughly,*" to the last statement, "allow to stand 10 minutes and flush."
4. Page 7: Under the "sanitize non-food contact surfaces," add the statement, "wipe dry with a sponge, mop, or cloth, or allow to air dry," after the contact time.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

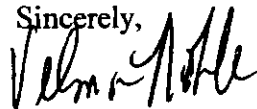
5. Page 7: Under "veterinary practice/animal care/animal laboratory/ zoos/ pet shop/ kennels," add the statement, "immerse all animal handling and restraining equipment as well as forks, shovels, and scrapers used to remove litter and manure." This statement must appear after the contact time statement.

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Jacqueline McFarlane at (703) 308-6416.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7510C)

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 ~~and wash clothing~~ before reuse

RESEARCH

OR CLOTHING

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

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 18 2002

OCT 18 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 6

LONZA FORMULATION R-82

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 CaCO_3) in the presence of 5% serum
contamination

- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective General Farm Sanitation
- Formulated for Effective Practices / Animal Care / Animal Husbandry / Disinfection

For use in regularly inspected meat and poultry plants

- **Staphylococcus aureus** → **Bactericidal**
- **Salmonella** → **Virucidal**

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 Precautionary Statements and First Aid

EPA Reg. No. 6836-78
EPA Est. No. (as indicated on container)
Net Contents: (insert container size here)

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

(Note to reviewer: The following is considered optional marketing language.)

Concentrated)
(Detergent)

Dealing with Debt

This product contains no (phosphates or) phosphorous (acids).

Lonza Formulation R-82:

- delivers non-acid disinfectant and cleaning performance in an economical concentrate.
- is effective yet economical.
- is an economical concentrate (that can be diluted for use with a mop and bucket, trigger sprayers, sponge or by soaking).
- (is a heavy duty disinfectant cleaner that) cleans, disinfects and deodorizes in one labor saving step.
- deodorizes by killing microorganisms that cause offensive odors.
- (improves labor results by) effectively controls (controlling) malodors.
- will disinfect, clean and deodorize toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- 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.
- [REDACTED] (and [REDACTED]) are also available as ready-to-use solutions even in the [REDACTED]
- will not leave grit or soap scum.
- is a (versatile) disinfectant and sanitizer for hard, nonporous nonfood contact surfaces in Veterinarian, Animal care and Farm Premise applications.
- is a (versatile) cleaner and broad spectrum disinfectant formulated for use only on non-critical instruments in Ultrasonic Baths (Ultrasonic cleaning units).
- 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 and Hepatitis B Virus and Hepatitis C Virus), fungicidal, and inhibits the growth of mold and mildew, and their odors, when used as directed.
- is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.
- meets AOAC efficacy standards for hospital disinfectants.
- meets EPA Sanitizer Test standards for non-food contact sanitizers.
- 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.

Cross-contamination is of 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.

Use Lonza Formulation R-82

- in federally inspected Meat & Poultry Plants as a disinfectant on non-food contact surfaces on all surfaces in processing areas, nonfood contact areas and other areas. This product is registered by EPA as category D1 under the prior registration program and its formula has not been changed.
- as a disinfectant on hard, nonporous surfaces.
- in kitchens, bathrooms and other household areas.
- to clean and disinfect finished floors, sinks and tubs.
- with a mop and bucket, trigger sprayer, sponge or by soaking.
- for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- to clean and disinfect nonporous salon / barber tools and instruments: combs, brushes, scissors, blades and manicure instruments.
- for sanitizing and disinfecting of food processing and food service equipment: compressor plates and other nonporous surfaces.
- to clean and disinfect finished floors. Can be applied with damp mop or autoscrubber. Cleans and disinfects without dulling gloss.
- on coils and drain pans of air conditioning and refrigeration equipment and heat pumps. Follow the directions for sanitization of non-food contact surfaces.
- 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.
- for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and areas, Nursery blocks, Creep area, Chutes.
- for Farm Premise Sanitation of hard nonporous surfaces: floors, walls, feed racks, mangers, troughs, automatic feeders, fountains and waterers, forks, shovels, scrapers and other nonporous surfaces in barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals.

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
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(Note to reviewer: The following is considered optional marketing language.)

(AREAS OF USE:)

Use Lonza Formulation R-82 in:

Bathrooms

Homes (households)

Kitchens

Dental offices

Hospitals

Medical Offices

Nursing homes

Day care centers

Nurseries

Bars

Cafeterias

Convenience stores

Food processing plants

Food storage areas

Institutional kitchens

Restaurants

~~Food processing~~

Athletic facilities

Business and office buildings

Hotels

Institutions

Motels

Public rest rooms

Schools

~~Public rest areas~~

Camp grounds

~~Play ground equipment~~

Animal laboratories

Dairy farms

Hog farms

Kennels

Poultry farms

Pet animal quarters

Pet shops

Turkey farms

Zoos

Airplanes

Boats

Buses

Campers

Cars

~~Motorcycles~~

Mobile homes

Ships

Taxis

Trailers

Trains

Transportation terminals

(TYPES OF SURFACES:)

Use Lonza Formulation R-82 on washable hard, nonporous surfaces of:

Appliances

~~Appliances~~ fixtures

Bathtubs

Cabinets

Cages

Chairs

Coils and drain pans of air conditioning and refrigeration equipment and heat pumps

Conductive flooring

~~Countertops~~ (countertops)

Desks

Doorknobs

Floors

Garbage cans

Highchairs

Kennel runs

~~Microwave ovens~~

Outdoor furniture

Refrigerators

Refrigerated storage and display equipment

Showers

Shower stalls

Sinks (bathroom, kitchen)

~~Stoves~~ (stovetops)

Tables, (picnic tables)

Telephones

Toilets

Toilet bowls

Toilet bowl surfaces

Tubs

Tiles, ~~glazed~~

~~Whirlpool bathtubs~~

Urinals

Walls

Whirlpool bathtubs

Other hard nonporous surfaces made of:

Fiberglass

Formica®

Glazed ceramic

~~Enamel~~ enameled surfaces

Glazed porcelain

Metal

Plastic (~~other plastic~~ or ~~other plastic~~)

~~Stainless steel~~

Stainless steel

Upholstery, vinyl and plastic

Woodwork, finished

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Fungicide and Rodenticide Act as
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(Note to reviewer: The following is considered optional marketing language.)

LONZA FORMULATION R-82 is a phosphoric acid germicidal disinfectant. It is effective in the presence of a moderate amount of organic matter on hard nonporous surfaces found at mushroom houses. LONZA FORMULATION R-82 has been demonstrated to be effective against mushroom crops. Areas of intended use include freeways and track alleys before and after the use of mushroom houses, mushroom growing areas and other non-food contact surfaces. LONZA FORMULATION R-82 should be limited to areas where competing microorganisms are not present.

LONZA FORMULATION R-82 is a sanitizer for hard nonporous non-food contact surfaces at 1:1024 dilution (200 ppm active, 1/2 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 eliminates 99.9% of Staphylococcus aureus and Klebsiella pneumoniae in 60 seconds.

LONZA FORMULATION R-82 is effective against:

LONZA FORMULATION R-82 is effective against:

Avian Influenza virus,
Avian Infectious Bronchitis Virus
Canine Distemper Virus
Newcastle's Disease Virus
Pseudorabies Virus

LONZA FORMULATION R-82 is a mildewstat at 1:256 dilution (1/2 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.

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LONZA FORMULATION R-82 is a (one-step) (Hospital Use) disinfectant at 1:256 dilution (1/2 oz. per gallon of water), 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:

(Bacteria:)

Pseudomonas aeruginosa (Pseudomonas)
Staphylococcus aureus (Staph)
Salmonella choleraesuis (Salmonella)

Acinetobacter baumannii
Brevibacterium ammoniagenes (Brevibacterium)
Enterobacter aerogenes
Enterococcus faecalis (Enterococcus)
Enterococcus faecalis- Vancomycin Resistant (VRE)
Escherichia coli (E. coli)

ESBL-Resistant (Extended spectrum beta-lactamase producing E. coli)

Klebsiella pneumoniae (Klebsiella)
Pseudomonas cepacia (Pseudomonas)
Salmonella schottmuelleri (Salmonella)
Salmonella typhi (Salmonella)
Serratia marcescens (Serratia)
Shigella dysenteriae (Shigella)
Staphylococcus aureus - Methicillin-Resistant (MRSA)
Staphylococcus aureus - Multi-Drug Resistant
Staphylococcus aureus-Vancomycin Intermediate Resistant
- (VISA)
Streptococcus pyogenes (Strep)
Vibrio cholerae

(Viruses:)

*Adenovirus Type 5 at 1:64 dilution (2 oz. per gallon of water)
*Hantavirus
*Hepatitis B Virus (HBV)
*Hepatitis C Virus (HCV)
*Herpes Simplex Virus Type 1
*Herpes Simplex Virus Type 2
*HIV-1 (AIDS Virus)
*Influenza Type A / Brazil (Influenza)
*Respiratory Syncytial Virus (RSV)
*Vaccinia (Pox Virus)

(Animal Viruses:)

Avian Influenza virus
Avian Infectious Bronchitis Virus
Canine Distemper Virus
Newcastle's Disease Virus
Pseudorabies Virus

(Fungi:)

Trichophyton mentagrophytes (the Athlete's Foot Fungus)
Aspergillus niger

10256.....	1/2 oz. per gallon of water
10257.....	1/2 oz. per 4 gallons of water
10258.....	(200 ppm active)

DIRECTIONS FOR USE

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

federally inspected meat and poultry food products. Food products are packaging must be removed from the room as carefully

Preparation of Use-Solution:

Add (mix) ½ oz. per gallon of water (1:256).

For heavy duty use, add (mix) 2 oz. per gallon of water (1:64).

DISINFECTION / VIRUCIDAL* / FUNGICIDAL / MOLD AND MILDEW CONTROL DIRECTIONS:

Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by ~~brushing~~. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop ~~allowing to dry~~. For heavily soiled areas, a preliminary cleaning is recommended.

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

Lonza Formulation R-82 is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities.

Lonza Formulation R-82 is a one-step fungicide at ½ oz. per gallon in 250 ppm hard water and 5% serum.

At ½ oz. per gallon in 400 ppm hard water, Lonza Formulation R-82 must be used on precleaned surfaces.

For mold and mildew Repeat treatment every seven days, if new growth appears.

Do not use on appliances, tables and stovetops with potable water for reuse. Do not use on utensils, glassware and

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6836-78

(Note to reviewer: one of the following two statements will be used:)

BACTERICIDAL STABILITY OF USE-DILUTION: Tests confirm that Lorne Formulation H-32, when diluted in 400 ppm hard water (the use of alkaline dispensing devices), remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella choleraesuis* for (up to 7 days) (up to 2 months) (for up to one month) (for up to 2 months) when stored in a sealed container such as a spray bottle. Product becomes visibly dirty or contaminated, the solution must be discarded and fresh product used. The use of open, non-sealed, properly labeled containers is not recommended. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.

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Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

(Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used.)

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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

(or)

This product is not for use on medical device surfaces.

TO CLEAN AND DEODORIZE:

Wipe or allow to air dry.

NON-ACID TOILET BOWL ~~ANTIBACTERIAL~~ 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. Brush or swab thoroughly, 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-82 at 1/2 oz. per gallon. Apply with a damp mop or autoscrubber. Allow surface to dry for 10 minutes. Wipe or allow to air dry. Do not use on polished floors at 2 oz. per gallon.

SALON / BARBER INSTRUMENTS AND TOOLS DISINFECTION (BACTERICIDE) / VIRUCIDE / FUNGICIDE DIRECTIONS:

Mix 1 oz. (30 ml) of LONZA FORMULATION R-82 per gallon of water (1/4 oz. [7.5 ml] of LONZA FORMULATION R-82 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.

ULTRASONIC BATH DISINFECTANT DIRECTIONS:

Use LONZA FORMULATION R-82 to disinfect hard nonporous, [REDACTED] objects compatible with Ultrasonic cleaning units.

Pour fresh [REDACTED] solution of 1/2 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 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.

DISINFECTANT DIRECTIONS:

[REDACTED] and fill with fresh water. Add 1/2 oz. of LONZA FORMULATION R-82 per gallon of water. Operate for 10 minutes. After the 10-minute period, remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use. Repeat for heavily soiled units.

***KILLS HIV AND HBV AND HCV 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) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OR HBV OR HCV 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 or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of LONZA FORMULATION R-82.

Contact time: Leave surface wet for 1 minute (60 seconds) for HIV-1 and 10 minutes for HBV and HCV. 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.

TO SANITIZE NON-FOOD CONTACT SURFACES:

Add (mix) 1/2 oz. of LONZA FORMULATION R-82 per 4 gallons of water to sanitize hard nonporous surfaces. Treated surfaces must remain wet for 60 seconds. Do not use in food preparation, food handling and food storage areas. This product is not to be used on glassware, dishware, cookware or utensils.

TO SANITIZE BARBER / SALON INSTRUMENTS AND TOOLS: [REDACTED] instruments and tools. [REDACTED] LONZA FORMULATION R-82 per gallon of water. [REDACTED] for 10 minutes. [REDACTED] equivalent disinfection. [REDACTED] Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if solution becomes visibly diluted, cloudy 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.

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

For cleaning and disinfecting hard nonporous surfaces: equipment not used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries. 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 1/2 oz. of **LONZA FORMULATION R-82** per gallon of water (or equivalent dilution) for a period of 10 minutes. Wipe or allow to air dry. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. 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 1/2 oz. of **LONZA FORMULATION R-82** 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.

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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 1/2 oz. of **LONZA FORMULATION R-82** 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, coops and other closed spaces. Do not house animals 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.

Hatcheries: Use 1/2 oz. of **LONZA FORMULATION R-82** per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard nonporous surfaces. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

Vehicles: Clean all vehicles including mats, crates, cabs and wheels with high pressure water and **LONZA FORMULATION R-82**. Use 1/2 oz. of **LONZA FORMULATION R-82** per gallon of water to treat all vehicles. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

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 1/2 oz. per 4 gallons of water use-solution for 60 seconds prior to entering area. Change the solution in the bath daily or when 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 1/2 oz. 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.

UNOFFICIAL EARN PREMISE USE:

Step 1: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished by using a shovel, brush, or hose, depending on the area to be disinfected.

Disinfection: For general cleaning and disinfection, use 1/4 oz. of Lonza Formulation R-82 per gallon of water for equivalent dilution. Apply the solution with a pump sprayer or by immersion to surfaces to be treated. Treated surfaces should be allowed to dry for 48 hours. Do not breathe air from the container. Do not use in food preparation areas.

...the planning is ... of ... planning

THE SOLUTION TO THE MUSHROOM PROBLEM
 is to keep the humidity in the grow room low. This can be done by using a dehumidifier to remove the excess moisture from the air before it reaches the crop. A dehumidifier will also help to prevent mold and mildew from growing on the plants.

COMMUNITY DISEASE CONTROL

[illegible]

(Note to reviewer: If the container size is one gallon or less, the following storage and disposal statements will be used:)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

(Note to reviewer: If container is greater than one gallon, the following storage and disposal statements will be used:)

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 18 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 6