

6836-204

7/30/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ms. Ruth Trager  
Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

JUL 30 2014

SUBJECT: Lonza Formulation DC-110N  
EPA Registration Number: 6836-204  
Application Dated: May 5, 2014  
Receipt Date: May 5, 2014

Dear Ms. Trager:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

- Remove the claims for Pseudomonas aeruginosa and hospital and other healthcare settings.

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently

If you have any questions concerning this letter please contact Emilia Oiguenblik at (703) 347 0199 or Velma Noble at (703) 308-6233.

Sincerely,

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

# LONZA FORMULATION DC-110N

Disinfectant – Cleaner – Sanitizer – Fungicide – Mildewstat – Virucide\* – Deodorizer  
for 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

[Fresh] [Clean] [Lemon] [Pine] [Mint] [Floral] [Citrus] [scent] [fragrance] [scented] [odor]

Formulated for effective poultry premise sanitation  
Formulated for effective swine premise sanitation

Active Ingredient:	
Didecyl dimethyl ammonium chloride.....	3.85%
Inert Ingredients: .....	96.15%
Total: .....	100.00%

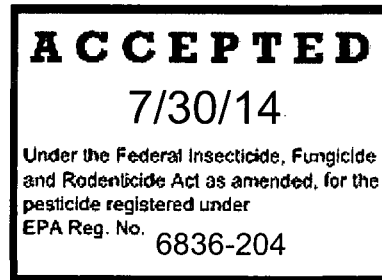
**KEEP OUT OF REACH OF CHILDREN**

**DANGER [PELIGRO]**

See [side] [left] [right] [back] panel for Precautionary Statements and First Aid.

EPA Reg. No. 6836-204  
EPA Est. No. (as noted on the container)  
Net Contents (as noted on the container)

[DOT Symbols]  
[Country of origin (insert country)]  
[Manufactured in (insert country)]  
[Barcode]  
[QR code]



Manufactured by:  
LONZA INC.  
90 Boroline Road  
Allendale, NJ 07401

**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) and rubber gloves when handling. May be fatal if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

Call a poison control center or doctor for treatment advice. Have the container or label with you when calling a poison control center or doctor, or going for treatment.

*{Note to Reviewer: If the container size is 5 gallons or greater, the following Environmental Hazards statements will be used:}*

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. 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.

{Note to reviewer: the following is considered optional marketing language:}

- Concentrate [Concentrated]
- Disinfects [Disinfectant]
- Cleans [Cleaner]
- Deodorizes [Deodorant]

Cross-contamination is of major housekeeping concern in schools, institutions and industry. **Lonza Formulation DC-110N** has been formulated to aid in the reduction of cross-contamination from treated surfaces in these areas.

**Lonza Formulation DC-110N**

- a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal\* [including HIV-1 and HBV], 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.
- [When used as directed], **Lonza Formulation DC-110N** will deodorize surfaces in restrooms and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.
- 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 and exercise facilities.
- contains no phosphates or phosphorous compounds.
- is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes in one labor-saving step.
- can be used with a mop and bucket, trigger sprayers, sponge or by soaking.
- provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to re-coat.
- improves labor results by effectively controlling odors.
- cleans, shines, deodorizes and disinfects hard, nonporous household surfaces. Inhibits the growth mold and mildew, leaving bathrooms & kitchens clean and smelling fresh.
- kills household germs; effective against Staphylococcus aureus [Staph] and Streptococcus pyogenes [Strep], Influenza A/PR and Trichophyton mentagrophytes [Athlete's foot fungus].
- is a neutral pH multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors and other glass surfaces.

**Use Lonza Formulation DC-110N**

- for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- in kitchens, bathrooms and other household areas.
- on the multi-touch surfaces responsible for cross-contamination.
- on glass surfaces including windows and mirrors
- in public rest rooms, institutions, schools, colleges, athletic facilities, food processing plants, food storage areas, kitchens, restaurants and bars, airports, transportation terminals, hotels and motels. For use in households. This product contains no phosphorous.
- on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, tiles, toilets, countertops, stove tops, appliances, refrigerators, cabinets, garbage cans, outdoor furniture, desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

**Lonza Formulation DC-110N is recommended for Poultry Premise Sanitation [Hatcheries]:**

Egg Receiving Area  
Egg Holding Area  
Setter Room

Tray Dumping Area  
Chick Holding Room  
Hatchery Room

Chick Processing Area  
Chick Loading Area  
Poultry Buildings

**Lonza Formulation DC-110N is recommended for Swine Premise Sanitation:**

Farrowing Barns & Areas  
Waterers and Feeders  
Hauling Equipment

Dressing Plants  
Loading Equipment  
Nursery

Blocks  
Creep Area  
Chutes

{Note to reviewer: The following is considered optional marketing language.}

**[AREAS OF USE:]**

Use **Lonza Formulation DC-109N** in:

{Note to reviewer: Each entry below also represents a graphic depicting the corresponding area of use. The graphics will only represent individual objects or outsides or insides of buildings as described below. No people or food will be depicted in graphics.}

- |   |                          |
|---|--------------------------|
| Bathrooms                                 | Public rest rooms        |
| Homes [households]                        | Schools                  |
| Kitchens                                  | Shower and bath areas    |
|   | Salons                   |
| Day care centers                          | Universities             |
| Nurseries                                 |                          |
|   | Camp grounds             |
| Bars                                      | Play ground equipment    |
| Cafeterias                                |                          |
| Convenience stores                        | Animal laboratories      |
| Food processing plants                    | Dairy farms              |
| Food storage areas                        | Hog farms                |
| Institutional kitchens                    | Kennels                  |
| Restaurants                               | Poultry farms            |
| USDA inspected food processing facilities | Pet animal quarters      |
|   | Pet shops                |
| Athletic facilities                       | Turkey farms             |
| Barber shops                              | Zoos                     |
| Business-and-office-buildings             |                          |
| Colleges                                  | Airports                 |
| Correctional facilities                   | Airplanes                |
| Dressing rooms                            | Boats                    |
| Exercise facilities                       | Buses                    |
| Factories                                 | Campers                  |
| Hotels                                    | Cars                     |
| Institutional facilities (non-medical)    | Mobile homes             |
| Institutions (non-medical)                | Ships                    |
| Locker rooms                              | Taxis                    |
| Motels                                    | Trailers                 |
| Prisons                                   | Trains                   |
| Public facilities                         | Transportation terminals |

{Note to reviewer: The following is considered optional marketing language.}

**[TYPES OF SURFACES:]**

Use **Lonza Formulation DC-109N** on washable hard, nonporous surfaces of:

{Note to reviewer: Each entry below also represents a graphic depicting the corresponding type of surface. No people or food will be depicted in graphics. Only exteriors of microwaves and refrigerators will be depicted. Toy graphics will be submitted to Agency for review.}

- Appliances
- Bathroom bowls
- Bathroom basins
- Bathroom fixtures
- Bathtubs
- Cabinets
- Cages
- Chairs
- Coils and drain pans of air conditioning and refrigeration equipment and heat pumps
- Conductive flooring
- Counters [countertops]
- Countertop laminates
- Desks
- Doorknobs
- Door handles
- Fiberglass bathtubs
- Fiberglass sinks
- Floors
- Floors, finished
- Floors, high speed burnished
- Garbage cans
- Highchairs
- Kennel runs
- Microwave ovens [Exterior Surfaces]
- Outdoor furniture
- Refrigerators [Exterior Surfaces]
- 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
- Ultrasonic baths
- Urinals
- Walls
- Whirlpool bathtubs

- Other hard nonporous surfaces made of:
- Formica®
  - Glazed ceramic
  - Glazed enameled surfaces
  - Glazed porcelain
  - Metal
  - Plastic [such as polystyrene or polypropylene]
  - Sealed stone
  - Stainless steel
  - Upholstery, vinyl and plastic
  - Woodwork, finished

{Note to reviewer: the following is considered optional marketing language:}

**Lonza Formulation DC-110N** is a Disinfectant at 2 oz. per gallon [16 mL per liter, 1:64 dilution], modified in the presence of 250 ppm hard water, and at 3 oz. per gallon [24 mL per liter, 1:42 dilution], modified in the presence of 400 ppm hard water.

**Lonza Formulation DC-110N** is Bactericidal according to the AOAC Use-Dilution Test method, Virucidal\* according to the virucidal qualification on hard, inanimate surfaces, Fungicidal according to the AOAC fungicidal test, modified in the presence of 5% organic serum against:

[Bacteria]

Acinetobacter baumannii  
 Brevibacterium ammoniagenes  
 Chlamydia psittaci  
 Enterobacter aerogenes  
 Enterobacter cloacae  
 Enterococcus [Streptococcus] faecalis  
 Enterococcus faecalis - Vancomycin-resistant [VRE]  
 Enterococcus [Streptococcus] faecalis-Methicillin-resistant  
 Escherichia coli  
 Escherichia coli - Methicillin resistant  
 Klebsiella pneumoniae  
 Klebsiella pneumoniae - Methicillin resistant  
 Proteus vulgaris  
 Salmonella enterica [Salmonella]  
 Salmonella schottmuelleri  
 Salmonella typhi  
 Salmonella typhimurium  
 Serratia marcescens  
 Shigella dysenteriae  
 Shigella flexneri  
 Shigella sonnei  
 Staphylococcus aureus [Staph]  
 Staphylococcus aureus - Methicillin resistant [MRSA]  
 Staphylococcus aureus - Vancomycin Intermediate Resistant [VISA]  
 Staphylococcus epidermidis  
 Streptococcus pyogenes [Strep]

[Viruses]

\*Hepatitis B Virus  
 \*Herpes Simplex Virus Type 1  
 \*Herpes Simplex Virus Type 2  
 \*HIV-1 [AIDS virus]  
 \*Influenza A/PR Virus [Influenza]  
 \*Rubella [Causative agent of German measles]  
 \*Vaccinia Virus



- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. This product [Product Name] is a broad-spectrum hard surface disinfectant that has been shown to be effective against (*influenza A virus tested and listed on the label*) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 [formerly called swine flu].
- This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.
- This product has demonstrated effectiveness against (*influenza A virus tested and listed on the label*) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 [formerly called swine flu].
- Kills Pandemic 2009 H1N1 influenza A virus [formerly called swine flu].
- Kills Pandemic 2009 H1N1 influenza A virus.

[Fungi]

Aspergillus niger

Candida albicans

Trichophyton mentagrophytes [Athlete's Foot Fungus] [Cause of Ringworm]

**Lonza Formulation DC-110N** is a sanitizer for hard, nonporous, non-food, contact surfaces at 2 - 3 oz. per gallon [16 - 24 mL per liter] against:

Enterobacter aerogenes

Staphylococcus aureus

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}*  
[PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.]

**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:**

For water hardness up to 250 ppm, add 2 oz. per gallon [16 mL per liter] of water [1:64].  
For water hardness up to 400 ppm, add 3 oz. per gallon [24 mL per liter] of water [1:42].  
For heavy duty use, add 8 oz. per gallon [64 mL per liter] of water [1:16].

*{Note to reviewer: The following Preparation of Use Solution is to be used with the closed spray bottle system and small cartridge containing concentrate [cartridge label and Preparation of use appears on page 13 of this master label.] 0.37 fl. oz. per 24 oz. is equivalent to 2 oz. per gallon}*

For water hardness up to 250 ppm, add 0.37 fl. oz. [11 mL] of **Lonza Formulation DC-110N** in 24 fl. oz. of water.

**DISINFECTION / \*VIRUCIDAL / FUNGICIDAL 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 [2 minutes for disinfection against all viruses claimed except HBV]. Wipe dry with a clean cloth or sponge or allow to air dry. For heavily soiled areas, a preliminary cleaning is required.

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

Prepare a fresh solution daily or more often if use solution becomes diluted or soiled.

Rinse all surfaces that come in contact with food, such as countertops, appliances, tables and stovetops, with potable water before reuse. Do not use on utensils, glassware and dishes.

**MOLD AND MILDEW CONTROL DIRECTIONS:**

To control the growth of mold and mildew and their odors on hard, nonporous surfaces, apply use-solution to thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or more often if growth or odor reappears.

**\*KILLS HIV AND HBV ON PRECLEANED ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD / BODY FLUIDS** in 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].

**Special Instructions for Cleaning and Decontamination against HIV-1 or HBV 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 must be thoroughly cleaned from surfaces and objects before application of **Lonza Formulation DC-110N**.

**Contact time:**

**For HIV-1:** Use 2 oz. of **Lonza Formulation DC-110N** per gallon of water [16 mL per liter]. Leave surfaces wet for 2 minutes.

**For HBV:** Use 3 oz. of **Lonza Formulation DC-110N** per gallon of water [24 mL per liter]. Leave surfaces wet for 10 minutes.

**For disinfection against all other bacteria and fungi claimed:** Use a 10-minute contact time

**Disposal of Infectious Materials:** Blood, body fluids, cleaning materials and clothing should be disposed of according to local regulations for infectious waste disposal.

**NON-ACID TOILET BOWL AND URINAL DISINFECTANT / CLEANER DIRECTIONS:**

**From concentrate:**

Add 2 - 3 oz. [60 - 90 mL] to the toilet bowl and mix. Brush thoroughly 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 2 - 3 oz. per gallon [16 - 24 mL per liter] 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 Heavy-duty use:**

Empty toilet bowl or urinal and apply 8 oz. per gallon [64 mL per liter] 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 DISINFECTION [BACTERICIDE] / VIRUCIDE\* / FUNGICIDE DIRECTIONS:**

Mix 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water [or equivalent dilution] to disinfect hard, nonporous instruments and tools. Completely immerse combs, brushes, rollers, razors, scissors, blades, 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. Prepare a fresh solution daily or more often if the 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.

**ULTRASONIC BATH DISINFECTANT DIRECTIONS:**

Use **Lonza Formulation DC-109N** to disinfect hard nonporous non-critical instruments / objects compatible with Ultrasonic cleaning units. Pour fresh use-solution of 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water [or equivalent dilution] directly into bath chamber. Preclean soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturer's use directions. Remove objects and rinse with sterile water [sterile water for injection], or allow to air dry. Prepare a fresh solution for each use.

**WHIRLPOOL BATH DISINFECTION DIRECTIONS:**

After using whirlpool unit, drain and fill with a use solution of 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water to just cover the intake valve. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair lift, and any related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse disinfected surfaces with fresh water.

Repeat for heavily soiled units.

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

For cleaning and disinfecting the following hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables and 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. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 2 - 3 oz. of **Lonza Formulation DC-110N** 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. 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 surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 2 - 3 oz. of **Lonza Formulation DC-110N** 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, trucks, 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.

**POULTRY AND SWINE PREMISE SANITATION**

**SITE PREPARATION:** The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, disinfection can be accomplished in one easy step.

**CLEANING:** For all general cleaning, use 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water. Apply use-solution with a cloth, mop or pressure sprayer so as to thoroughly wet surfaces. Wipe dry with a clean cloth or sponge or allow to air dry.

**DISINFECTION:** 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 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water. Saturate surfaces with the recommended disinfecting solution 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. Wipe dry with a clean cloth or sponge or allow to air dry. 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 2 - 3 oz. of **Lonza Formulation DC-110N** per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard 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 DC-110N**. Use 2 - 3 oz. per gallon 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.

**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 gross soils. Saturate all surfaces with the recommended use solution of 2 oz. per gallon. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water. Wipe dry with a clean cloth or sponge or allow to air dry.

**DIRECTIONS FOR SANITIZING NON-FOOD, CONTACT SURFACES:**

Add 2 - 3 oz. per gallon of water [16 - 24 mL per liter], to sanitize hard, nonporous, environmental surfaces. Treated surfaces must remain wet for 60 seconds. Wipe dry with a clean cloth or sponge or allow to air dry.

**DIRECTIONS FOR FOOD PROCESSING PLANTS:**

For use on non-food, contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Follow disinfection directions.

**DIRECTIONS FOR FOOD STORAGE AREAS:**

For use on non-food, contact surfaces such as shelves, floors, walls and tables: Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow disinfection directions.

**DIRECTIONS FOR RESTAURANTS, CAFETERIAS, BARS:** Rinse all surfaces which come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use this product to disinfect utensils, glassware and dishes.

**SHOE BATH SANITIZER DIRECTIONS:** 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 2 - 3 oz. per gallon of water solution for 60 seconds prior to entering the area. Change the solution in the bath daily or more often if the solution appears diluted or soiled.

**GLASS CLEANING / DEODORIZING DIRECTIONS:**

Add 1 - 4 oz. per gallon of water [8 - 32 mL per liter] to clean and deodorize windows, mirrors and glass surfaces.

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

{Note to reviewer: For Nonrefillable Containers, Label has Household and Residential Uses}

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

{or}

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

{Note to Reviewer/Subregistrant: If both nonrefillable and refillable container storage and disposal directions appear on the final label, a sticker must be added to the container stating if it is a nonrefillable or refillable container. Also, the following statement must be included directly above the storage and disposal directions on the final label:}

See the sticker on the [front] [back] [side] [top] of the container to determine if it is nonrefillable or refillable.

*{Note to reviewer: For Nonrefillable Containers for commercial, industrial, and institutional uses – all sizes – No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table 6 of the Label Review Manual states that for “All products in containers that could be burned,” the registrant has the option to “Remain silent on burning;” therefore, no incineration language is provided for plastic containers.}*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

**{Plastic and Metal Containers:}** Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**{Metal containers only:}** DO NOT cut or weld metal containers.

**{Bag in Box Containers:}** Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

*{Note to reviewer: For Nonrefillable Sealed Containers: Packaging options can be in sealed containers or bottles designed for use dilution systems to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed sealed containers. The following text will be used on these sealed container types:}*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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:** Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

*{Note to reviewer: For Refillable Containers – all sizes – No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table 6 of the Label Review Manual states that for “All products in containers that could be burned,” the registrant has the option to “Remain silent on burning;” therefore, no incineration language is provided for plastic containers.}*

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

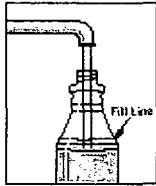
**{Plastic or Metal Containers:}** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**{Metal containers only:}** DO NOT cut or weld metal containers.

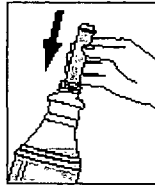


{Note to reviewer: The following Preparation of Use Solution is to be used with the closed spray bottle system, which consists of a small cartridge containing the concentrate. This information will appear on the outside of the box containing the cartridges}

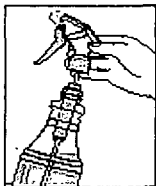
**Preparation of Use Solution**



1. Fill Lonza Formulation DC-110N work bottle to indicator line with tap water. [24 fl. oz.]



2. Insert Lonza Formulation DC-110N cartridge into the neck of the bottle.



3. Place the sprayer on the bottle by sliding the dip tube through the center of the cartridge.



4. Twist spray head securely onto the work bottle.

{Note to reviewer: Below is the cartridge label for the concentrate used in the closed spray bottle system. There are a number of cartridges inside a box. The outside of the box contains label language found on pages 1 through 9.}

**LONZA FORMULATION DC-110N**

Didecyl dimethyl ammonium chloride..... 3.85%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER [PELIGRO]**

For additional information, see outer carton.

EPA Reg. No. 6836-204  
Net Contents: 0.37 fl. oz. [11 mL]