



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 22, 2014

Ms. Joanna Holcomb  
Regulatory Assurance  
Lonza Inc.  
90 Boroline RD  
Allendale, NJ 07401

Subject: PRIA Label Amendment – Provided new data proving product efficacious.  
Product Name: Lonza Formulation L-15  
EPA Registration Number: 6836-164  
Application Date: 25 July 2014  
Decision Number: 493811

Dear Ms. Holcomb:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one 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 approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 06/10/2011
- Alternate CSF 1 dated 06/10/2011
- Alternate CSF 2 dated 06/10/2011
- Alternate CSF 3 dated 06/10/2011
- Alternate CSF 4 dated 06/10/2011
- Alternate CSF 5 dated 06/10/2011

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide

Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact John Cowden by phone at (703)347-0259, or via email at Cowden.johnc@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Velma Noble", with a small "for" written below it.

Velma Noble, Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Copy of stamped label

Note to Reviewer:

[Items in brackets [AAA] are optional and may/may not be included on final label]

{Items in braces {AAA} are for information purposes and will not appear on final label}

## LONZA FORMULATION L-15

Disinfectant – Deodorant – Cleaner

Multi-Purpose Odor Counteractant Cleaner

Kills Pseudomonas, Salmonella and Staphylococcus

Virucidal\*

[Citrus] [Floral] [Pine] [Mint] [Lemon] [Fresh] [Clean] [Scent] [Odor] [Fragrance]

Active Ingredient:

Alkyl (C<sub>14</sub> 58%, C<sub>16</sub> 28%, C<sub>12</sub> 14%) dimethyl benzyl ammonium chloride .....4.00%

Other Ingredients.....96.00%

Total .....100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER [PELIGRO]**

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

EPA Reg. No. 6836-164

EPA Est. No. (as indicated on container)

Net Contents (as indicated on container)

[DOT Symbols]

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

LONZA, INC.

90 Boroline Road

Allendale, NJ 07401

**ACCEPTED**

**12/22/2014**

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

EPA Reg. No. 6836-164

## **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 protective gloves (rubber or chemical resistant) when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. 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 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 a 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 product container or label with you when calling poison control center or doctor or going for treatment.

*{If container size is 5 gallons or greater, 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.

*{Note to Reviewer: Pages 3-7 are considered optional marketing language. All designators (i.e. asterisks, symbols, and numbers) used throughout the label may be interchanged as needed on final printed label.}*

#### **[Lonza Formulation L-15]**

- Cleans [Cleaner]
- cleans, shines, deodorizes and disinfects all precleaned nonporous household surfaces, inhibits the growth of mold and mildew, leaving surfaces in the house including bathrooms & kitchens clean and smelling fresh.
- Concentrate [Concentrated]
- Concentrate – Makes 50 gallons at 2 ½ oz. per gallon *{for one-gallon size only}*
- Contains no dyes. *{for dye free formulas only}*
- controls [reduces] [eliminates] [neutralizes] [destroys] odors to make your home [kitchen] [bathroom] sanitary.
- Deodorizes [Deodorizer]
- Disinfects [Disinfectant]
- Eliminates odors.
- Eliminates pet odors. Destroys odors!
- For residential use. For use in homes.
- For use all around the house. Easy to Use!
- improves labor results by effectively controlling odors.
- is a balanced formulation combining Lonza's true odor counteractants, a non-ionic synthetic detergent, a quaternary ammonium compound, chelating agents and synergizing builders...for effective cleaning, and deodorizing when used as directed.
- is a neutral pH multi-surface cleaner, and deodorizer.
- is effective against household germs and odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.
- is effective at controlling mold and mildew odor on mattresses, pillows and shower curtains. **{Not for Use in California}**
- is for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures, and toilet bowls.
- is for use in kitchens, bathrooms and other household areas.
- is for use in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using. **{Not for Use in California}**
- is for use in Ultrasonic baths.
- is for use in Whirlpool bathtubs
- is for use in work areas such as tool rooms and garages for odor control and light duty cleaning.
- is for use on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms.
- is for use with a mop and bucket, trigger sprayers, sponge, or by soaking.
- is specially formulated to effectively eliminate offensive odors caused by mold and mildew.
- is used to remove odors caused by flooding and smoke from fires.
- Kills 99.99% of germs
- Kills [many] household germs†
  - †effective against *Pseudomonas aeruginosa* [pseudomonas], *Staphylococcus aureus* [staph] and *Streptococcus pyogenes* [strep], and Influenza A/Brazil
- [leaves a] [clean fresh scent] [fresh, clean scent]
- Multi-purpose cleaner & deodorizer
- neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.
- No dyes added. Dye-free. *{for dye free formulas only}*
- provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to re-coat.
- provides long lasting freshness against tough [pet] odors such as odors from litter boxes and pet accidents.
- Removes Ugly Mildew Stains!
- This product contains no [phosphates] [or] phosphorous [compounds].

Cross-contamination is of major housekeeping concern not only in hospitals, but also in schools, institutions, and industry. **Lonza Formulation L-15** has been formulated to aid in the reduction of cross-contamination from treated surfaces in these areas.

When used as directed, **Lonza Formulation L-15** will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

**Lonza Formulation L-15** is effective against a wide variety of gram positive and gram-negative bacteria. It is also an excellent deodorant and is especially effective in controlling odors that are bacterial in origin and has a pleasant lemon [mint] odor.

**Lonza Formulation L-15** kills common germs such as Escherichia coli [E. coli], Staphylococcus aureus [Staph], Salmonella choleraesuis [Salmonella], Streptococcus pyogenes [Strep] and Influenza A / Brazil [Influenza] on hard nonporous surfaces. Prevents the growth of odor causing bacteria.

**Lonza Formulation L-15** reduces the surface tension of water, improving its wettability. Microbes are capable of mass reproduction in sub-visible pores and cracks of surfaces. The excellent wettability of **Lonza Formulation L-15** improves the penetration of the use solution into areas that otherwise might not be reached.

**Lonza Formulation L-15** mixes with water to form clear, stable use solutions. Use solutions are non-corrosive and non-staining to plastic, vinyl, synthetics, enamel, glazed tile and most common metals.

Use **Lonza Formulation L-15** on the multi-touch surfaces responsible for cross-contamination.

Use **Lonza Formulation L-15** on finished floors, high speed burnished floors, conductive flooring, tables, chairs, bathroom bowls, basins, counter tops, bed rails, door knobs and handles, glass surfaces including windows and mirrors.

**Lonza Formulation L-15** is intended primarily as a premium cleaner where disinfection and true odor counteraction are also indicated. It is excellent for washing hard nonporous surfaces such as glazed porcelain, glazed tile, glass, stainless steel, chrome, rubber, plastic, metal, and does not damage washable painted, varnished or lacquered surfaces. It can be used on nonporous surfaces such as walls, tables, floors, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, exterior surfaces of refrigerators, and other similar surfaces. Because **Lonza Formulation L-15** rinses spot-free, it is particularly suitable for linoleum, rubber sealed cork, vinyl and asphalt tile floors. It has outstanding rinsing qualities and is an excellent cleaner for marble or terrazzo.

**Lonza Formulation L-15** is for use on conductive flooring. For other specialized cleaning and disinfecting operations, consult your local (*Company*) representative.

**Lonza Formulation L-15** is effective at eliminating odors on porous surfaces such as upholstery, drapes, carpets, bedding, shower curtains, mattresses and non-porous surfaces such as walls and floors. Excellent for fire restoration.

Other suggested Uses: Homes, Veterinary Clinics, Fish Markets, Kennels, Trash Compactors, Offices, Beauty Salons, Locker Rooms, Health Spas, Conference rooms, Elevators, Smoking Areas, Lounges, Day Care Centers, Dry Cleaners, Theaters, Farms, Auditoriums and Churches.

This Industrial Liquid Odor Destroyer Leaves No Residue and has a Multitude of Uses: Odor removal from urine, mildew, smoke, pets, sewage backup, and decaying organic matter, instant action air freshener.

*{Note to Reviewer: Each block 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, animal, or food will be depicted in graphics.}*

**[AREAS OF USE:]**

Use **Lonza Formulation L-15** in:

Bathrooms	Prisons
Homes [Households]	Public facilities
Kitchens	Public rest rooms
	Schools
Dental offices	Shower and bath areas
Health Care Facilities	Salons [Beauty]
Hospitals	Tanning Salons
Medical Offices	Camp grounds
Nursing homes	Play ground equipment
	Universities
Day care centers	
Nurseries	Animal laboratories
	Dairy farms
Bars	Farms
Cafeterias	Hog farms
Convenience stores	Kennels
Food processing plants	Poultry farms
Food storage areas	Pet animal quarters
Institutional kitchens	Pet shops
Restaurants	Turkey farms
USDA inspected food processing facilities	Zoos
Athletic facilities	Airplanes
Barber shops	Airports
Business and office buildings	Boats
Colleges	Buses
Correctional facilities	Campers
Dressing rooms	Cars
Exercise facilities	Emergency vehicles
Factories	Mobile homes
Hotels	Ships
Institutional facilities	Taxis
Institutions	Trailers
Locker rooms	Trains
Motels	Transportation terminals

**Lonza Formulation L-15** is for use in [Areas of Use]: hospitals, homes, medical and dental offices, nursing homes, day care centers, nurseries, restaurants, restaurants and bars, cafeterias, institutional kitchens, food storage areas, institutional facilities, public rest rooms, institutions, offices, schools, athletic facilities, beauty salons, camp grounds, play grounds, public facilities, farms, food processing plants, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes, health care facilities, colleges, universities, veterinary clinics, animal life science laboratories, industrial facilities, recreational facilities, retail and wholesale establishments.

*{Note to Reviewer: Each block below also represents a graphic depicting the corresponding type of surface. No people, animal, 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.}*

**[TYPES OF SURFACES:]**

Use **Lonza Formulation L-15** on washable hard, nonporous surfaces of:

Appliances, exteriors of  
Bathroom fixtures  
Bathtubs [Fiberglass]  
Cabinets  
Cages  
Chairs  
Coils and drain pans of air conditioning and  
refrigeration equipment and heat pumps  
Conductive flooring  
Counters [countertops]  
Countertop laminates  
Desks  
Doorknobs  
Floors  
Garbage cans  
Highchairs  
Kennel runs  
Microwave ovens, exteriors of  
Outdoor [patio] furniture except cushions and wood  
frames.  
Refrigerators, exteriors of  
Refrigerated storage and display equipment  
Showers  
Shower stalls [Fiberglass]  
Sinks [bathroom] [kitchen] [Fiberglass]  
Stoves [stovetops]  
Tables [Non-wooden picnic tables]  
Tanning beds  
Telephones  
Toilets  
Toilet bowls  
Toilet bowl surfaces

Tubs [Fiberglass]  
Tiles, glazed  
Ultrasonic baths  
Urinals  
Walls  
Whirlpool bathtubs

Other hard nonporous surfaces made of:

Glazed ceramic  
Glazed enameled surfaces  
Glazed porcelain  
Laminated surfaces  
Metal  
Plastic [such as polystyrene or polypropylene]  
Sealed stone  
Stainless steel  
Upholstery, vinyl and plastic  
Woodwork, finished

Non-critical medical device surfaces:

Beds [Medical] [Hospital]  
Bed frames  
Bed rails  
Crutches  
Non-critical [hospital] [medical] equipment surfaces  
[Medical] Examining tables  
[Medical] [Hospital] Lamps  
[Medical] [Hospital] Scales  
Stands  
Stethoscopes  
Walkers  
Wheel chairs

**[Lonza Formulation L-15** is for use on the following washable hard nonporous surfaces]: countertops, stovetops, exhaust fans, sinks, appliances, exterior surfaces of refrigerators, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, washable walls, cabinets, doorknobs, telephones, garbage cans, walls, floors, enameled surfaces, finished woodwork, Formica<sup>®</sup>, vinyl and plastic upholstery, [fiberglass] shower stalls, [fiberglass] tubs and glazed tiles, toilets, glazed porcelain tiling, [fiberglass] bathtubs, [fiberglass] bathroom sinks, urinals, toilet bowls, toilet bowl surfaces, bathroom fixtures, and hard nonporous surfaces made of metal, stainless steel, glazed porcelain, glazed ceramic and plastic.



**Lonza Formulation L-15** is a Hospital Disinfectant for pre-cleaned surfaces at 2-½ oz. per gallon of water; is Bactericidal according to the AOAC Use-Dilution Test method, Virucidal\* according to the virucidal qualification, a Mildewstat according to Mildewstat guidelines, against:

[Bacteria:]

Pseudomonas aeruginosa [Pseudomonas]

Salmonella choleraesuis [Salmonella]

Staphylococcus aureus [Staph]

Enterobacter aerogenes

Escherichia coli [E. coli]

Shigella sonnei

Streptococcus pyogenes

[Viruses:]

\*Herpes Simplex Virus Type 2

\*HIV-1 [AIDS Virus]

\*Influenza A/Brazil [Influenza] 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/Brazil Virus 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/Brazil Virus 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

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}  
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

#### **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 2 ½ oz. per gallon of water, to disinfect hard, precleaned nonporous surfaces.

**TO CLEAN AND DEODORIZE OR TO PRECLEAN PRIOR TO DISINFECTION:** Depending on the soil level of the area to be cleaned, use 6 - 8 oz. of **Lonza Formulation L-15** per gallon of water. Rub with brush, sponge or cloth. Wipe dry with a clean cloth or sponge or let air dry.

#### **[DISINFECTION] [\*VIRUCIDAL] DIRECTIONS:**

Remove gross filth or heavy soil, then thoroughly clean surfaces. 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. Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth or sponge or let air dry. 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 or dishes.

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

*{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.

**\*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 must be thoroughly cleaned from surfaces and objects before application of **Lonza Formulation L-15**.

**Contact Time:** Leave surface wet for 1 minute [60 seconds] 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.

**NON-ACID TOILET BOWL DISINFECTANT/CLEANSER DIRECTIONS:**

Remove gross filth prior to disinfection.

**From concentrate:**

Add 2 ½ oz. to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim and flush. Repeat for disinfection and allow to stand for 10 minutes and flush.

**From use-solution:**

Empty toilet bowl or urinal and apply a 2 ½ oz./gal. use-solution to exposed surfaces including under the rim with a cloth, mop, sponge, or sprayer. Brush thoroughly over exposed surfaces including under the rim and flush. Repeat for disinfection and allow to stand for 10 minutes and flush.

**BARBER AND BEAUTY INSTRUMENT AND TOOL DIRECTIONS:**

Use 2 ½ oz. of **Lonza Formulation L-15** per gallon of water. Completely immerse pre-cleaned brushes, combs, scissors, clipper blades, razors, manicure implements, and other nonporous instruments so those surfaces remain wet for 10 minutes. Rinse thoroughly and dry before use. Change solution daily or more often if solution becomes visibly 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 L-15** to disinfect hard nonporous, non-critical objects compatible with Ultrasonic cleaning units. Preclean soiled objects. Pour fresh use-solution of 2 ½ oz. per gallon of water directly into bath chamber. 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.

**DISINFECTION OF WHIRLPOOL UNITS:**

After using the whirlpool unit drain, preclean, and refill with fresh water to just cover the intake valve. Add 2 ½ oz. of **Lonza Formulation L-15** for each gallon of fresh water added. 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 the disinfected surfaces with fresh water.

## **VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS**

### **DISINFECTION DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces including equipment, 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 2 ½ oz. of **Lonza Formulation L-15** 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 and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all feeding and watering equipment with soap or detergent and rinse with potable water before reuse.

### **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 2 ½ oz. of **Lonza Formulation L-15** 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.

**DIRECTIONS FOR FOOD PROCESSING PLANTS:** Use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed or carefully protected. Then follow the "Disinfection Directions".

**DIRECTIONS FOR FOOD STORAGE AREAS:** 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 or carefully protected. Then follow the "Disinfection Directions".

**MOLD AND MILDEW CONTROL:** Follow directions for hospital disinfection. Repeat treatment every 7 days or when new growth appears.

**FOR MILDEW STAINS:** Use 8 oz. of **Lonza Formulation L-15** per gallon of water to effectively remove mildew stains and odors. Follow directions for "To Clean and Deodorize".

#### **DEODORIZING DIRECTIONS:**

**Air Freshener/Automotive Uses:** 11 ounces per gallon of water or desired concentration will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors [garlic, fish, onions, etc.]. Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**For Deodorizing garbage cans, garbage trucks, industrial waste receptacles and garbage handling equipment:** It is especially important to pre-clean for the product to perform properly. Then, apply a wetting concentration of 8– 16 oz. of **Lonza Formulation L-15** per gallon of water.

**RV Holding Tanks:** Toilet waste: cover bottom of holding tank with water and add 3 - 6 ounces. If odors return before time to empty, simply add ½ - 1 ounce to the tank. Kitchen waste: 1/2 - 1 ounce of **Lonza Formulation L-15** to gray water tank as needed to control malodors created by dirty dish water.

**Nursing Homes, Hospitals, Hotels, Schools, Restaurants:** 1 - 2 ounces in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**Mopping Solutions, Automatic Scrubbers:** 2 - 4 ounces per gallon of cleaning solution eliminates undesirable odors.

**Carpets:** 2 - 4 ounces per gallon of shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry.

**For Odors Caused by Dogs, Cats and Other Domestic Animals:** Use on rugs, floors, walls, tile, cages, crates, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "To Clean and Deodorize" or "Pet Odors" as appropriate.

**Pet Odors:** Use 16 ounces per gallon of water or desired concentration, for urine, feces, and vomit, in carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

**For Odors Caused by Flooding and Smoke:** Use 16 oz. of **Lonza Formulation L-15** per gallon of water. Follow directions for "To Clean and Deodorize".

**Sewage Backup, Water Damage:** 16 ounces per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**Laundry:** 2 - 4 ounces per load added during the final rinse cycle deodorizes all offensive odors.

**To Control Odor on Musty Bedding and Linens:** Add 16 ounces of **Lonza Formulation L-15** to the final rinse water of a full size washer for each load of laundry.

**CLEANING SOLUTION:** Dilute 2 – 4 ounces per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

*{Note to Reviewer: For Nonrefillable containers for household/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: 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:**

**[Plastic and Metal Containers:]** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. 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:]** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. 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.