

6836-152

04-03-2009

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

APR 3 2009

Georgia Anastasiou
Agent for Lonza
Lewis & Harrison
122 C Street, NW Suite 740
Washington, DC 20001

Subject: Lonza Formulation DC-103
EPA Reg. No. 6836-152
Application Dated: March 03, 2009
Receipt Date: March 04, 2009

Dear Ms. Anastasiou

This letter acknowledges receipt of your notification submitted under the provisions of PR Notice 98-10 and the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(C)9.

Adding Graphics and refillable container language

General Comments

Based on a review of the material submitted, your for notification to revise the label as listed above is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233 or Jacqueline McFarlane at (703) 308-6416.

Sincerely,


Velma Noble
Product Manager (31)

CONCURRENCE
Regulatory Management Branch I
Antimicrobials Division (7510P)

YMBOL

URNAME

ATE

 EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other: Notification	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 6836-152	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Lonza Formulation DC-103	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Lonza, Inc. 90 Boroline Rd. Allendale, NJ 07401 <u>PLEASE SEND ALL CORRESPONDENCE TO</u> <u>"CONTACT POINT" LISTED BELOW</u> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - Explain below
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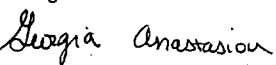
Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Application for Notification

PLEASE READ COVER LETTER FOR DETAILS**Section - III**

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No *Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Package wgt. container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Georgia Anastasiou, Lewis & Harrison, LLC, 122 C Street NW, Ste. 740, Washington, DC 20001	Title Agent for Lonza, Inc.	Telephone No. (Include Area Code) 202-333-3903 x19
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent for Lonza, Inc.	(Stamp area)
4. Typed Name Georgia Anastasiou	5. Date March 3, 2009	

LEWIS & HARRISON

Consultants in Government Affairs

122 C Street, N.W., Suite 740
Washington, D.C. 20001
telephone 202.393.3903
fax 202.393.3906

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March 2, 2009

HAND DELIVERED

Document Processing Desk [NOTIF]
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard, Room S-4900
2777 S. Crystal Drive
Arlington, VA 22202

ATTENTION: Velma Noble
Product Manager (31)

SUBJECT: Lonza, Inc.
Lonza Formulation DC-103 (EPA Reg. No. 6836-152)
Application for Notification

Dear Ms. Noble:

On behalf of Lonza, Inc., I am submitting a notification for the product, **Lonza Formulation DC-103 (EPA Reg. No. 6836-152)**. The purpose of this notification is to add an optional graphic illustrating the scent of the product and to revise the storage and disposal section. Please note this is a ready-to-use product. The container-containment regulations only specify residue removal instructions for dilutable pesticide products. I have removed all recently added residue removal instructions and added back the language that was required per PR Notice 83-3. In addition I have removed all refillable disposal language.

Notification for an Antimicrobial Product in Accordance With PR Notice 98-10 This notification is consistent with the provisions of PR Notice 98-10 EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be the subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Enclosed please find the following documents in support of this notification:

- a) Application for Pesticide (form 8570-1);
- b) One (1) copy of the proposed label with changes highlighted; and,
- c) Two (2) copies of the proposed label.

Thank you for your assistance with this submission. If you have any questions please feel free to contact me at 202-393-3903 ext. 19 or georgia@lewisharrison.com.

Sincerely,

Georgia Anastasiou

Georgia Anastasiou
Agent for,
Lonza, Inc.

cc: Kari Mavian (LONZA, Inc.)

LONZA FORMULATION DC-103

One-Step Disinfectant

Cleaner – Fungicide –
Mildewstat - Virucide* - Deodorizer
For Homes, Restaurants, Hospitals, Institutional and Industrial Use

Effective in the presence of 5% serum contamination

Fresh / Clean / Mild / Lemon / Pine / Mint / Floral / Citrus
(scent) (fragrance) (scented) (odor)

- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective Mushroom Farm Sanitation
- Formulated for Veterinary Practice / Animal Care / Animal Laboratory Disinfection
- For use in federally inspected meat and poultry plants
- Staphylocidal
- Bactericidal
- Fungicidal
- Pseudomonacidal
- Salmonellacidal
- Virucidal*

Active Ingredients:

Octyl decyl dimethyl ammonium chloride	0.025%
Dioctyl dimethyl ammonium chloride	0.010%
Didecyl dimethyl ammonium chloride	0.015%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride.....	0.034%
Other Ingredients	99.916%
Total	100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

EPA Reg. No. 6836-152

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

Net Contents (insert container size here)

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

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

Lonza Formulation DC-103

EPA No. 6836-152

EPA Daft Label Notif 03-02-09

(Note to reviewer: Language in [] is optional or interchangeable)

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

- Disinfects [Disinfectant]
- Cleans [Cleaner]
- Deodorizes [Deodorant]
- This product contains no [phosphates] [or] [phosphorous] [compounds].
- Ready-to-Use
- Citrus Scent
- Fresh Mild Scent
- Removes soap scum
- [Convenient] Ready To Use formula.
- [Economical] [Spray & Wipe] formula.
- Cuts [through] [tough] grease and grime.
- Kills odor-causing bacteria.
- Inhibits [the growth of] [mold] [and] [mildew]
- Kitchen, Bathroom, Household Disinfectant Cleaner.
- Leaves [your house with] a [clean] [fresh] scent.
- Trigger spray[er]
- Pump spray[er]

Lonza Formulation DC-103

- delivers non-acid disinfectant and cleaning performance.
- is effective yet economical.
- kills household germs; effective against *Pseudomonas aeruginosa* [Pseudomonas], *Staphylococcus aureus* [Staph] and *Streptococcus pyogenes* [Strep], Influenza A / Brazil [influenza] and *Trichophyton mentagrophytes* [Athlete's foot fungus] [A cause of Ringworm].
- cleans, disinfects and deodorizes in one labor saving step.
- can be used with a mop and bucket, trigger sprayers, sponge or by soaking.
- [improves labor results by] effectively controls [controlling] malodors.
- deodorizes by killing microorganisms that cause offensive odors.
- will disinfect, clean and deodorize surfaces in rest rooms and 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.
- is a complete, chemically balanced disinfectant.
- will not leave grit or soap scum.
- is a versatile disinfectant 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 [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.
- meets AOAC efficacy standards for hospital disinfectants.

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

Cross-contamination is of major housekeeping concern. LONZA FORMULATION DC-103 has been formulated to aid in the reduction of cross-contamination in not only in hospitals, but in schools, institutions and industry.

LONZA FORMULATION DC-103 is effective at controlling mold and mildew odor on mattresses, pillows and shower curtains.

Use LONZA FORMULATION DC-103 in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using.

Use LONZA FORMULATION DC-103 on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms.

Use LONZA FORMULATION DC-103 in work areas such as tool rooms and garages for odor control and light duty cleaning.

Use LONZA FORMULATION DC-103 to remove odors caused by flooding and smoke from fires.

Use **Lonza Formulation** DC-103 to clean and disinfect tables, chairs, and countertops

LONZA FORMULATION DC-103 leaves a clean fresh scent.

LONZA FORMULATION DC-103 provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

Lonza Formulation DC-103 (Kills) (Eliminates) (Removes) (Destroys) (is effective against) avian influenza A (H3N2) (and) (H5N1) on pre-cleaned environmental surfaces

Lonza Formulation DC-103 (Kills) (Eliminates) (Removes) (Destroys) (is effective against) [Insert pathogen or pathogens from lists on pages 9-10] on (pre-cleaned) environmental surfaces

Lonza Formulation DC-103 (Kills) (Eliminates) (Removes) (Destroys) (is effective against) (Germs) (Bacteria) (Viruses*) (on (pre-cleaned) environmental surfaces)

Use [on] [to clean and disinfect] nonporous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

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

(Note to reviewer. The following may be used only if the supplemental registrant has obtained an NSF listing. Allowed on back or side panel only.)

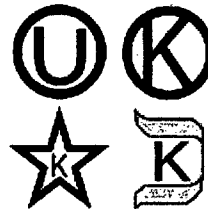


or

(NSF Listed)

(Insert 6-Digit NSF Listing Number here)

(Note to reviewer. The following may be used only if the supplemental registrant has obtained a Kosher Certification.)



(Any Kosher Symbol such as:)

(Kosher)

(Note to reviewer: The following is an optional graphic that will be used to illustrate the scent.)



Use Lonza Formulation DC-103

- in federally inspected Meat & Poultry Plants as a disinfectant on all surfaces in inedible product processing areas, nonprocessing areas and / or exterior areas. This product was authorized by USDA as category D1 under the prior authorization 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 disinfecting of ultrasound transducers, probes, mammography compressor plates and other hard 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 disinfection.
- for Poultry Premise Sanitation (Hatcheries) of hard nonporous surfaces in: 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 of hard nonporous surfaces: 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.

Lonza Formulation DC-103 is a phosphate free, germicidal detergent effective in the presence of a moderate amount of organic soil on hard nonporous surfaces found at mushroom farms. **Lonza Formulation DC-103** has been designed for use between mushroom crops. Areas of intended use include breezeways and track alleys before spawning, inside and outside walls of mushroom houses, lofts, floors, storage sheds and casing rings. Use of **Lonza Formulation DC-103** must be limited to areas where compost and mushrooms are not present.

LONZA FORMULATION DC-103 is a mildewstat and will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard nonporous surfaces.

(AREAS OF USE:)

Use Lonza Formulation DC-103 in:

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

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

(TYPES OF SURFACES:)

Use Lonza Formulation DC-103 on washable hard, nonporous surfaces of:

Appliances, exteriors	Tiles, glazed
Bathroom fixtures	Ultrasonic baths
Bathtubs [fiberglass]	Urinals
Cabinets	Walls
Cages	Whirlpool [bathtubs] [tubs] [units]
Chairs	
Coils and drain pans of air conditioning and refrigeration equipment and heat pumps	Non-critical medical device surfaces: Beds [Medical] [Hospital]
Conductive flooring	Bed frames
Counters [Countertops]	Bed rails
Countertop laminates	Crutches
Desks	Defibrillators
Doorknobs	Gurneys
Floors	Non-critical [hospital] [medical] equipment surfaces: [Medical] Examining tables
Garbage cans	[Medical] [Hospital] Lamps
Highchairs	Rescue tools
Kennel runs	Resuscitators
Microwave ovens, exteriors	[Medical] [Hospital] Scales
Outdoor [patio] furniture except cushions and wood frames	Stands Stretchers
Refrigerators, exteriors	Stethoscopes
Refrigerated storage and display equipment	Walkers Wheel chairs
Showers	
Shower stalls	Other hard nonporous surfaces made of:
[Fiberglass] Shower stalls	Glazed ceramic
[Fiberglass] Sinks [bathroom] [kitchen]	Glazed enameled surfaces
Sinks [bathroom] [kitchen]	Glazed porcelain
Stoves [stovetops]	Laminated surfaces
Tables, [Non-wooden picnic tables]	Metal
Telephones	Plastic [such as polystyrene or polypropylene]
Toilets	Sealed stone
Toilet bowls	Stainless steel
Toilet bowl surfaces	Upholstery, vinyl and plastic
Tubs [Fiberglass]	Woodwork, finished

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

LONZA FORMULATION DC-103 is a (one-step) (Hospital use) disinfectant, Bactericidal according to the current AOAC Use-Dilution Test Method, Fungicidal according to the AOAC Fungicidal Test and Virucidal* according to the virucidal qualification modified in the presence of 5% organic serum against:

Or

LONZA FORMULATION DC-103 is effective against:

(Bacteria:)

Pseudomonas aeruginosa [*Pseudomonas*]

Staphylococcus aureus [*Staph*]

Salmonella choleraesuis [*Salmonella*]

Acinetobacter baumannii [*Acinetobacter*]

Brevibacterium ammoniagenes [*Brevibacterium*]

Campylobacter jejuni [*Campylobacter*]

Community Associated Methicillin-Resistant *Staphylococcus aureus* - [CA-MRSA] (NRS384) (USA300)

Community Associated Methicillin-Resistant *Staphylococcus aureus* - [CA-MRSA] (NRS123) (USA400)

Enterobacter aerogenes

Enterococcus faecalis [*Enterococcus*]

Enterococcus faecalis - Vancomycin resistant [VRE]

Escherichia coli [*E. coli*]

ESBL *Escherichia coli* [Extended spectrum beta-lactamase producing *E. coli*]

Klebsiella pneumoniae [*Klebsiella*]

Legionella pneumophila

Pseudomonas cepacia [*Pseudomonas*]

Salmonella schottmuelleri [*Salmonella*]

Salmonella typhi [*Salmonella*]

Serratia marcescens

Shigella dysenteriae [*Shigella*]

Staphylococcus aureus - Methicillin-Resistant [MRSA]

Staphylococcus aureus Multi-Drug Resistant

Staphylococcus aureus - Vancomycin Intermediate Resistant – [VISA]

Streptococcus pyogenes [Strep] [a cause of scarlet fever]

Vibrio cholerae

(Continued from previous page)

(Viruses:)

- *Hepatitis B Virus [HBV]
- *Hepatitis C Virus [HCV]
- *Herpes Simplex Virus Type 1
- *Herpes Simplex Virus Type 2
- *HIV-1 (AIDS Virus)
- *Human Coronavirus
- *Influenza Type A / Brazil [Influenza]
- *Norwalk Virus [Norovirus]
- *Rotavirus
- *Respiratory Syncytial Virus [RSV]
- *SARS Associated Coronavirus [SARS] [cause of Severe Acute Respiratory Syndrome]
- *Vaccinia [Pox Virus]

(Fungi:)

Trichophyton mentagrophytes [the Athlete's Foot Fungus] [A Cause of Ringworm]
[A Cause of ringworm of the foot]

Aspergillus niger

[Animal Viruses:]

Avian Infectious Bronchitis Virus
Avian Influenza (virus) (H3N2)
Avian Influenza (virus) (H5N1)
Canine Distemper Virus
Feline Calicivirus
Newcastle's Disease Virus
Pseudorabies Virus

DIRECTIONS FOR USE

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

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

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

Apply **LONZA FORMULATION DC-103** undiluted to hard, nonporous surfaces, thoroughly wetting the surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is recommended.

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

For fungicidal activity: **LONZA FORMULATION DC-103** is an effective one-step fungicide against Trichophyton mentagrophytes when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities.

For mold and mildew: Repeat treatment every 7 days or more often if new growth appears.

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.

(Note to reviewer: Alternate directions for products sold in spray bottles:)

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

Spray 6 - 8 inches from surface, until surfaces are thoroughly wet. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth, sponge, or mop or allow to air dry.

For fungicidal activity: **LONZA FORMULATION DC-103** is an effective one-step fungicide against Trichophyton mentagrophytes when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities.

For mold and mildew: Repeat treatment every 7 days or more often if new growth appears.

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.

(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. *(optional language):* [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: Apply undiluted to surfaces with a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

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

Remove gross filth prior to disinfection.

Empty toilet or urinal and apply LONZA FORMULATION DC-103 to exposed surfaces and under the rim with a cloth, mop, sponge, or sprayer. Brush or swab thoroughly, allow to stand for 10 minutes, and flush.

FOR USE ON FINISHED FLOORS: Apply with a damp mop or autoscrubber. Allow surface to remain wet for 10 minutes. Wipe or allow to air dry.

SALON [BARBER] INSTRUMENTS AND TOOLS DISINFECTION [BACTERICIDE] / [VIRUCIDE*] / [FUNGICIDE] DIRECTIONS:

Use Lonza Formulation DC-103 undiluted to disinfect hard, nonporous instruments and tools. Completely immerse combs, brushes, plastic 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. Use fresh product daily or more often if product 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[/ VIRUCIDAL*] DIRECTIONS:

Use LONZA FORMULATION DC-103 to disinfect hard nonporous non-critical objects compatible with Ultrasonic cleaning units. Pour Lonza Formulation DC-103 directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Use fresh product for each use.

DISINFECTION OF WHIRLPOOL UNITS: After using the whirlpool unit, drain, and fill with **Lonza Formulation DC-103** 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 cleaned, drain the solution from the unit and rinse cleaned surfaces with fresh water. Repeat for heavily soiled units.

KILLS HIV-1 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 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 DC-103.

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.

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

For cleaning and disinfecting hard nonporous surfaces: equipment used for animal food or water, 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. Empty all feeding and watering appliances. Saturate surfaces with LONZA FORMULATION DC-103 for a period of 10 minutes. Wipe or allow to air dry. 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. 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.

[Animal Viruses:]

Avian Infectious Bronchitis Virus
 Avian Influenza (virus) (H3N2)
 Avian Influenza (virus) (H5N1)
 Canine Distemper Virus
 Feline Calicivirus
 Newcastle's Disease Virus
 Pseudorabies Virus

SMALL ANIMAL [HOUSING] [CAGE], [KENNEL] [AND CRATE] DISINFECTION / VIRUCIDAL* DIRECTIONS:

1. Remove all animals and feeds from kennel, crate, cage, carryalls.
2. Remove all litter and animal droppings. Thoroughly clean all hard, nonporous surfaces with soap or detergent and rinse with water. Empty all feeding and watering appliances.
3. [Apply Lonza Formulation DC-103 to surfaces with a cloth, mop, sponge or coarse sprayer until thoroughly wet.] [Spray Lonza Formulation DC-103 onto surfaces until thoroughly wet.] Immerse animal handling and cleaning equipment; such as leashes, muzzles and scrapers. Treated surfaces must remain wet for 10 minutes, then wipe or allow to air dry.
4. Rinse all surfaces that come in contact with food including animal feeding devices, bowls or dishes with potable water prior to reuse.
5. Do not re-introduce or house animals until treatment has been absorbed, set or dried.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS:

Remove all reptiles from the enclosure (tank) prior to cleaning and disinfecting. Remove all litter or droppings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all hard, nonporous surfaces with soap or detergent and rinse with water. Apply **Lonza Formulation DC-103** to the surfaces of the enclosure (tank) until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry using a clean cloth or sponge or paper towel. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Allow the [enclosure] [tank] to ventilate for a minimum of 10 - 15 minutes before replacing the reptiles.

DO NOT apply **Lonza Formulation DC-103** directly onto the reptile. If **Lonza Formulation DC-103** comes into contact with the reptile's skin, then immediately wash the material off of

18
22

the animal with lukewarm water. If the reptile ingests Lonza Formulation DC-103, contact your veterinarian immediately.

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 **LONZA FORMULATION DC-103** 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 DISINFECTION

[/VIRUCIDAL*] 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. Saturate surfaces with **LONZA FORMULATION DC-103** 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 letter and manure. Ventilate buildings, cars, trucks, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Hatcheries: Use **LONZA FORMULATION DC-103** undiluted to treat the following hard nonporous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces wet for 10 minutes or more. Then allow to air dry.

Vehicles: Treat all vehicles including mats, crates, cabs and wheels with water and **LONZA FORMULATION DC-103**. Use **LONZA FORMULATION DC-103** undiluted 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 Disinfectant Directions: To prevent cross contamination into animal areas, shoe baths containing one inch of product must be placed at all entrances to buildings and hatcheries. Scrape waterproof work boots and place in bath for 10 minutes prior to entering area. Change the bath daily or more often if solution appears diluted or soiled.

Dressing Plant Disinfectant Directions: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all surfaces with **Lonza Formulation DC-103**. Scrub to loosen all soils. Surfaces must remain wet for 10 minutes, and then thoroughly rinsed with potable water before operations are resumed. Allow to air dry.

MUSHROOM FARM PREMISE USE:

Site Preparation: The first step in any on-going sanitation program must be the removal of gross contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Cleaning and Disinfection: For general cleaning and disinfection, apply Lonza **Formulation DC-103** with a cloth, mop, sponge, sprayer or by immersion to thoroughly wet the surfaces. Treated surfaces must be allowed to remain wet for 10 minutes. Wipe or allow to air dry. For heavily soiled areas, preclean first. Use fresh product for each use or more often if product becomes visibly diluted, clouded or soiled.

DO NOT APPLY USE-SOLUTION TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

20
22

WATER DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE:

This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushions, subfloors, drywall, trim and frame lumber, tackless strip and paneling. Saturate the affected materials with enough product to remain wet for at least 10 minutes.

Sewer Backup and River Flooding: During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a coarse spray device before and after cleaning and extraction.

Carpets, Carpet Cushions and Other Porous Materials such as Subfloors, Drywall, Trim and Frame Lumber, Tackless Strip and Paneling: For water damage from a clean source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Saturate all affected areas with a coarse spray device. Roll, brush or agitate into the materials and allow materials to remain wet for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

Special instructions For Cleaning Carpet Against Odor Causing Bacteria: Use this product in industrial and institutional areas such as homes, motels, hotels, nursing homes, schools, and hospitals. Use on wet-cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness. Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using the product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over-wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the manufacturer's directions.

21
22

(Note to reviewer: Ready-To- Use Product in Nonrefillable Containers for household, residential and all other uses. Container is one gallon or less)

STORAGE AND DISPOSAL

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

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

(or)

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

(Note to reviewer: Ready-To- Use Product for Nonrefillable Containers, Container is over one gallon:)

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 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.

(Plastic Containers:) Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or 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 if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. DO NOT cut or weld metal containers.

(For 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.