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6836-204

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United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other

OPP Identifier Number

250443

Application for Pesticide - Section I

1. Company/Product Number: 6836-204
2. EPA Product Manager: M. Johnson
3. Proposed Classification: [X] None [] Restricted
4. Company/Product (Name): Lonza Formulation DC-110N
5. Name and Address of Applicant: Lonza Inc., 17-17 Route 208, Fair Lawn, NJ 07410
6. Expedited Review: EPA Reg. No. Product Name

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated. "Me Too" Application. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

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NOTIFICATION: For all "airuses" under contract... Updating environmental hazards statement pursuant to PR Notice 93-10. This notification is in full compliance with PR Notices 85-2 and 93-10.

Section - III

Child-Resistant Packaging, Unit Packaging, Container type (Metal, Plastic, Glass, Paper, Other), Location of Net Contents Information, Size(s) Retail Container, Location of Label Directions, Manner in Which Label is Affixed to Product

Section - IV

Contact Point: Eliot I. Harrison, Agent for LONZA, Telephone No. (301) 652-5495. Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. Signature: Eliot I. Harrison, Title: Agent for LONZA, Date: 11-7-95.

WATER TREATMENT

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of egg whites (gelatin solution); or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Keep out of reach of children. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Flammable or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Store in original container in areas inaccessible to children. Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or material of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

(Metal containers) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. (Plastic containers greater than 1 Gallon) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. (5 Gallon or less) Wrap and discard in trash.

LONZA FORMULATIC

Disinfectant-Cleaner-Sanitizer-Fungicide-Mildew
for Hospitals, Institutional and In
Effective in hard water up to 400 ppm hard
CaCO₃) in the presence of 5% aeru

Active Ingredients

Dodecyl dimethyl ammonium chloride

Other Ingredients

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

PA Labelation No.

PA Environmental No.

Net Contents

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

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Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **LONZA FORMULATION DC-110N** has been formulated to aid in the reduction of cross-contamination 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), fungicidal, and inhibits the growth of mold and mildew and their odors when used as directed.

LONZA FORMULATION DC-110N is an effective one-step sanitizer-cleaner for use on food contact surfaces. When used as directed, **LONZA FORMULATION DC-110N** can also 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 DC-110N is an effective fungicide against *T. mentagrophytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

LONZA FORMULATION DC-110N is recommended for use in hospitals, medical and dental offices, nursing homes, public rest rooms, institutions, schools, colleges, athletic facilities, food processing plants, food storage areas, kitchens, restaurants and bars, airports, train and bus terminals, hotels and motels. For use in households. This product contains no phenols.

LONZA FORMULATION DC-110N is a no-rinse neutral pH disinfectant cleaner that cleans, sanitizes, cleans and deodorizes in one labor-saving step.

LONZA FORMULATION DC-110N can be used with a mop and bucket, trigger sprayer, sponge, or by soaking.

LONZA FORMULATION DC-110N provides effective cleaning strength that will not damage most metal-interlock floor finishes, and does not require a rinse prior to recoat.

LONZA FORMULATION DC-110N maximizes labor results by effectively controlling odors.

LONZA FORMULATION DC-110N Cleans, shines, deodorizes and disinfects all hard non-porous household surfaces. Inhibits the growth mold and mildew, leaving bathrooms and other areas clean and smelling fresh.

LONZA FORMULATION DC-110N is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures, and toilet bowls.

LONZA FORMULATION DC-110N is for use in kitchens, bathrooms and other household areas.

LONZA FORMULATION DC-110N kills household germs in 10 minutes; effectively kills harmful pseudomonas, staph and strep, influenza A, P.H.I. and athlete's foot fungus.

LONZA FORMULATION DC-110N is a neutral pH multi-surface cleaner, deodorizer, and disinfectant. Use on windows, mirrors, and other glass surfaces.

Use **LONZA FORMULATION DC-110N** on the multi-touch surfaces responsible for cross-contamination.

Use **LONZA FORMULATION DC-110N** on finished floors, high speed burnished floors, conductive flooring, tables, chairs, bathroom bowls, basins, countertops, bed rails, door knobs and other glass surfaces including windows and mirrors.*

LONZA FORMULATION DC-110N is recommended for Poultry Premise Sanitation:

Tray Dumping Area	Tray Dumping Area	Chick Processing Area
Tray Dumping Area	Chick Holding Room	Chick Loading Area
Hatchery Room	Hatchery Room	Poultry Buildings

LONZA FORMULATION DC-110N is recommended for Swine Premise Sanitation:

Dressing Plants	Dressing Plants	Blocks
Loading Equipment	Loading Equipment	Creep Area
Nursery	Nursery	Chutes

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LONZA FORMULATION DC-110N is a Hospital Use Disinfectant at 2 ounces per gallon (16 milliliters per liter 1:64 dilution), modified in the presence of 250 ppm hard water or 3 ounces per gallon (24 milliliters 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-Dispersion 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 soil.

- | | |
|---|--|
| Pseudomonas aeruginosa | Proteus vulgaris |
| Salmonella choleraesuis | Salmonella schottmuelleri |
| Staphylococcus aureus | Salmonella typhi |
| Staphylococcus aureus-(Methicillin resistant, MRSA) | Salmonella typhimurium |
| Brevibacterium ammoniagenes | Serratia marcescens |
| Chlamydia psittaci | Shigella dysenteriae |
| Enterobacter aerogenes | Shigella flexneri |
| Enterobacter cloacae | Shigella sonnei |
| Escherichia coli | Staphylococcus epidermidis |
| Escherichia coli-(Methicillin resistant) | Streptococcus faecalis |
| Klebsiella pneumoniae | Streptococcus faecalis (Methicillin resistant) |
| Klebsiella pneumoniae-(Methicillin resistant) | Streptococcus pyogenes |
| Aspergillus niger | Candida albicans |
| Trichophyton mentagrophytes | |
| | |
| HIV-1 (AIDS virus) | Herpes Simplex Type 2 |
| Influenza A/PR | Rubella |
| Herpes Simplex Type 1 | Vaccinia |

LONZA FORMULATION DC-110N is a sanitizer for hard non-porous non-food contact surfaces at 2-3 ounces per gallon (16-24 milliliters per liter) against:

- | | |
|------------------------|-----------------------|
| Enterobacter aerogenes | Staphylococcus aureus |
|------------------------|-----------------------|

ADVERTENCIA:

Si no habla el inglés, solicite instrucciones a su supervisor antes de este producto.

Precaución de Uso

Es una violación de Federal Law to use this product in a manner inconsistent with its labeling.

Precaución de uso

El uso de este producto de manera contraria a lo indicado en su etiqueta constituye una violación de la Ley Federal.)

(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.)

Este producto no debe usarse en ninguna superficie o instrumento que: (1) haya de introducirse directamente en el organismo humano, ya sea en la circulación sanguínea o en contacto con áreas o con zonas orgánicas normalmente estériles, o (2) haya de entrar en contacto con mucosas intactas aunque habitualmente no atraviere la barrera hematoencefálica o no penetre de alguna otra manera en zonas normalmente estériles del organismo.)

Preparation of use-solution:

For water hardness up to 250 ppm add (2 ounces per gallon, 16 milliliters per liter) of water (1:64). For water hardness up to 400 ppm add (3 ounces per gallon, 24 milliliters per liter) of water (1:42), to disinfect hard, non-porous surfaces.

For heavy duty use, add (8 ounces per gallon, 64 milliliters per liter) of water (1:16), to disinfect hard, non-porous surfaces.

Preparación de solución utilizable:

Para agua dura hasta 250 ppm agregar (2 onzas por galón, 16 milliliters por liter) de agua (1:64). Para agua dura hasta 400 ppm agregar (3 onzas por galón, 24 milliliters por liter) de agua (1:42) para desinfectar superficies duras no porosas.

Para uso pesado, agregar (8 onzas por galón, 64 milliliters por liter) de agua (1:16), para desinfectar superficies duras no porosas.)

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Disinfection*/Virucidal/Mold and Mildew Control directions:

Apply **use-solution** to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge, or sprayer.

(Instrucciones de desinfección/control de virucidad/moho y enmohecimiento:

Aplicar la **solución utilizable** a superficies duras (inanimadas) no porosas, mojar completamente las superficies según lo recomendado y requerido, con un trapo, estropajo, esponja o rociador.)

For heavily soiled areas, a preliminary cleaning is required.
(Para áreas muy manchadas, se requiere una limpieza preliminar.)

For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist.
(Para aplicaciones de rociador, utilizar un aparato de rociado grueso. Rocíar 6 a 8 pulgadas desde la superficie, frotar con un cepillo, esponja o trapo. No respirar el vapor del rociador.)

Disinfection*/Virucidal directions:

Add 2 ounces per gallon of water, to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes (2 minutes for disinfection against all viruses claimed). Refresh a fresh solution daily or when use solution becomes diluted or soiled.

Mold and Mildew Control directions:

Add 2 ounces per gallon of water, to control the growth of mold and mildew and their odor on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears.

Sanitizing Non-Food Contact Surface directions:

Add 2-3 ounces per gallon (16-24 milliliters per liter) of water, to sanitize hard non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

(Instrucciones de esterilización de superficies que no están en contacto con alimentos:
Agregar 2-3 onzas por galón (16-24 mililitros por litro) de agua, para esterilizar superficies duras porosas y no porosas en contacto con el medio ambiente. Las superficies tratadas deben mantenerse mojadas durante 60 segundos.)

Non-Acid Toilet Bowl Disinfectant/Cleaner directions:

From concentrate:

Add 2-3 ounces (60-90 milliliters) 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 ounces per gallon (16-24 milliliters 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 ounces per gallon (64 milliliters 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.

(Instrucciones para el desinfectante/limpiador no ácido de inodoro:

Con el concentrado:

Agregar 2-3 onzas (60-90 mililitros) a la taza del inodoro y mezclar. Cepillar completamente sobre las superficies expuestas y debajo del reborde, dejando setar por 10 minutos y correr el agua.

Con la solución utilizable:

Vaciar la taza del inodoro o orinal y aplicar una **solución utilizable** de 2-3 onzas por galón (16-24 mililitros por litro) a las superficies expuestas, inclusive debajo del reborde, con un trapo, estropajo, esponja o rociador, dejar estar por 10 minutos y correr el agua.

Para uso pesado:

Vaciar la taza del inodoro o orinal y aplicar una **solución utilizable** de 8 onzas por galón (64 mililitros por litro) a las superficies expuestas, inclusive debajo del reborde, con un trapo, estropajo, esponja o rociador, dejar estar por 10 minutos y correr el agua.)

Glass-Cleaning/Deodorizing Directions:

Add 1-4 ounces per gallon (8-32 milliliters per liter) of water to clean and deodorize windows, mirrors, and glass surfaces.

Use a coarse spray device. Spray 6-8 inches from surface, rub with sponge or cloth. Do not breathe spray mist.

(Instrucciones para el limpiador/desodorizar superficies vidrio:

Agregar 1-4 onzas por galón (8-32 mililitros por litro) de agua, para limpiar y desodorizar ventanas, espejos y superficies vidrio.

Utilizar un aparato de rociado grueso. Rocíar 6 a 8 pulgadas desde la superficie, frotar con un trapo. No respirar el vapor del rociador.)

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* **KILLS HIV ON PRECLEANED 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 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 DC-110N**.

CONTACT TIME: Leave surface wet for 2 minutes with (2 ounces per gallon, 16 milliliters per liter) **use-solution**. Use a 10 minute contact time for disinfection against all other bacteria and fungi claimed.

DISPOSAL OF INFECTIOUS MATERIALS: Blood, body fluids, cleaning materials and gowns should be autoclaved and disposed of according to local regulations for infectious waste disposal.

(* ELIMINA EL VIH EN SUPERFICIES/OBJECTOS EXPUESTOS AL MEDIO AMBIENTE PREVIAMENTE CONTAMINADOS CON SANGRE/LIQUIDOS CORPORALES, CUANDO SE LIMPIAN PREVIAMENTE, en lugares destinados al cuidado de la salud u otros lugares donde se prevea la posibilidad de contaminación de superficies/objetos inanimados con sangre o líquidos corporales y en los que dichas superficies/objetos pueden estar relacionados con el potencial de transmisión del virus de la inmunodeficiencia humana tipo 1 (VIH-1 asociado con el SIDA).

INSTRUCCIONES ESPECIALES PARA LA LIMPIEZA Y DESCONTAMINACION CONTRA EL VIH-1 SOBRE SUPERFICIES/OBJECTOS CONTAMINADOS CON SANGRE/LIQUIDOS CORPORALES."

PROTECCION PERSONAL: La limpieza deberá hacerse siempre usando guantes de látex protectores, batas, máscaras y protección de la vista.

PROCEDIMIENTO DE LIMPIEZA: La sangre y otros líquidos corporales que contienen el VIH deben limpiarse completamente de las superficies y los objetos antes de aplicar **LONZA FORMULATION DC-110N**.

TIEMPO DE CONTACTO: Dejar la superficie mojada durante 2 minutos con (2 onzas por galón, 16 mililiters por liter) de solución utilizable. Dejar 10 minutos de tiempo contacto para la desinfección contra todos los otros virus, bacterias y hongos declarados.

ELIMINACION DE MATERIALES INFECCIOSOS: La sangre, los líquidos corporales, materiales de limpieza y ropa deben someterse al autoclave y eliminarse de acuerdo con la legislación local sobre eliminación de desechos infecciosos.)

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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 AND DISINFECTION

For all general cleaning and disinfection, use 2-3 ounces of **LONZA FORMULATION DC-110N** per gallon of water. Apply **LONZA FORMULATION DC-110N** using a cloth, mop, brush, or sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a precleaning step is required. Prepare a fresh solution after each use.

APPLICATIONS AND USE DILUTION

POULTRY (and SWINE) PREMISE

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 frequented 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 ounces of **LONZA FORMULATION DC-110N** per gallon of water. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. 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. 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.

HATCHERIES: Use 2-3 ounces of **LONZA FORMULATION DC-110N** per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other handling areas. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse.

VEHICLES: Clean all vehicles including mats, crates, coops, and wheels with hot water and **LONZA FORMULATION DC-110N**. Use 2-3 ounces per gallon to treat all surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

SHOE BATHS: Shoe baths containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily when solution appears dirty.

DRESSING PLANT USE: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Carefully remove all food and packaging materials. Remove all gross soils. Saturate all surfaces with the recommended use solution of 2 ounces per gallon. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

SETTING HATCHERY ROOMS USING FOGGING DEVICES

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix four parts **LONZA FORMULATION DC-110N** to five parts water (2 gallons **LONZA FORMULATION DC-110N** to 25 gallons water). Insert the nozzle of the fogger through a suitable opening into the room. Set the setting in maximum output, fog for one minute for each 4000 cubic feet of space to be treated.

SETTING INCUBATORS AND HATCHERS USING FOGGING DEVICES

Mix 24 ounces **LONZA FORMULATION DC-110N** to 122 ounces water. Fog 3-8 ounces of this solution in setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breath this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 2-3 ounce per gallon solution of **LONZA FORMULATION DC-110N** on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. When fogging is completed, ventilate buildings, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

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