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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 6836-204	DATE OF ISSUANCE <b>OCT 23 1992</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT  Lonza Formulation DC-110N	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Lonza, Inc.  
 17-17 Route 208  
 Fair Lawn, NJ 07410

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 6836-204".

b. The Headings:

Precautionary Statements  
 Hazards to Humans and Domestic Animals

should be placed above the subheading:

Statement of Practical Treatment

Note: All precautionary labeling statements must be grouped under a single heading.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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c. Add the following precautionary statement:

Wash thoroughly with soap and water after handling.

d. Revise Influenza A to read: Influenza A/PR

e. In the Sanitizer section: (two locations for each)

- Delete the word: Porous
- Revise 5.5 gallons to read: 1 gallon

Note: These claims are not supported by the data submitted.

f. Revise Porcelain to read: glazed porcelain.

g. Revise "...visibly dirty" to read: "...diluted or soiled".

h. Delete the words:

Concentrated  
Economical  
Long lasting  
Ideal

i. Delete the word: Current, which appears in the statement "...to the current AOAC Use-Dilution Test method..."

j. Revise Herpes Simplex Types I&II to read:

Herpes simplex Type 1 and Type 2

k. Revise "...kills HIV on precleaned..." to read: "... kills HIV-1 on precleaned..."

l. Revise "... wetting surfaces as recommended and require..." to read: "... wetting surfaces as required."

m. Clearly indicate how the product is to be removed from the surfaces after the recommended contact period.

n. Revise "...Prevents mold and mildew..." to read: "... inhibits the growth of mold and mildew..."

CONCURRENCES

SYMBOL	SURNAME	DATE					
.....	.....	.....	.....	.....	.....	.....	.....

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

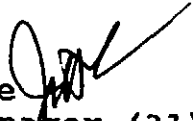
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- o. Revise " Harmful or fatal if swallowed or absorbed through skin..." to read: ..."Harmful or fatal if swallowed..."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

  
John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosures

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

PHZ 078-05

**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. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food.

**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 mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL**

(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. (1 Gallon or less) Wrap and discard in trash.

**Lonza Formul  
DC-110N**

Disinfectant-Cleaner-Sanitizer-Fungicide  
Mildewstat-Virucide\*-Deodorizer  
for Hospitals, Institutional and Industrial Use  
Effective in hard water up to 400 ppm hardness  
(CaCO<sub>3</sub>) in the presence of 5% serum calcium

Active Ingredient

Didecyl dimethyl ammonium chloride

Inert Ingredients

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

SEE LEFT PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

EPA Registration No.  
EPA Establishment No.  
Net Contents

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



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 is a concentrated 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 non-food contact surfaces.

When used as directed, LONZA FORMULATION DC-110N 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 mal odors.

LONZA FORMULATION DC-110N is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

LONZA FORMULATION DC-110N is recommended for use in hospitals, medical and dental offices, nursing homes, public restrooms, institutions, schools, athletic facilities, food processing plants, food storage areas, kitchens, restaurants and bars, transportation terminal hotels and motels.

For use in households.

This product contains no phosphorous.

I&I/Janitorial

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

LONZA FORMULATION DC-110N is an economical concentrate that 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 dull 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 for a long lasting clean.

Household

LONZA FORMULATION DC-110N Cleans, shines, deodorizes and disinfects all non-porous household surfaces. Prevents mold and mildew, leaving bathrooms & kitchens 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 ideal for use in kitchens, bathrooms and other household areas.

LONZA FORMULATION DC-110N kills household germs in minutes; effective against harmful pseudomonas, staph and strep, influenza A and athlete's foot fungus.

LONZA FORMULATION DC-110N is a Hospital Disinfectant, bactericidal at 1:64 dilution (2.0 ounce per gallon) according to the current AOAC Use-Dilution Test method, modified in the presence of 400 ppm hard water plus 5% organic serum against:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Staphylococcus aureus-MRA
- Salmonella choleraesuis
- Brevibacterium ammoniagenes
- Chlamydia psittaci
- Enterobacter aerogenes
- Enterobacter cloacae
- Escherichia coli
- Escherichia coli-MRA
- Klebsiella pneumoniae
- Klebsiella pneumoniae-MRA
- Salmonella schottmuelleri

- Salmonella typhi
- Salmonella typhimurium
- Serratia marcescens
- Shigella dysenteriae
- Shigella flexneri
- Shigella sonnei
- Staphylococcus epidermidis
- Streptococcus faecalis
- Streptococcus faecalis-MRA
- Streptococcus pyogenes
- Proteus vulgaris
- Pseudomonas cepacia

LONZA FORMULATION DC-110N is virucidal\* at 1:64 dilution (2.0 ounce per gallon) according to the virucidal qualification, modified in the presence of 400 ppm hard water plus 5% organic serum against:

- HIV-1 (AIDS virus)
- Influenza A
- Herpes Simplex types I&II
- Vaccinia
- Rubella

LONZA FORMULATION DC-110N is fungicidal at 1:64 dilution (2.0 ounce per gallon) according to the AOAC fungicidal test, modified in the presence of 400 ppm hard water plus 5% organic serum against:

Trichophyton mentagrophytes (the athlete's foot fungus), Candida albicans and Aspergillus niger.

LONZA FORMULATION DC-110N is a sanitizer for hard porous and non-porous non-food contact surfaces at 2.0 ounce per 5.5 gallons dilution against: Staphylococcus aureus and Enterobacter aerogenes.

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**Directions for Use**

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

**Disinfection general use directions**

Apply LONZA FORMULATION DC-110N to walls, floors and other hard (inanimate) non-porous surfaces (such as metal, stainless steel, porcelain, and plastic), thoroughly wetting surfaces as recommended and required. LONZA FORMULATION DC-110N can be applied with a cloth, mop, sponge, or soaked or sprayed. For heavily soiled areas, a preliminary cleaning is required.

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

**Disinfection directions**

Add 2.0 oz. per gallon of water, to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use solution becomes visibly dirty.

**\*Virucidal directions**

Add 2.0 oz. per gallon of water, for disinfection against all viruses claimed. Treated surfaces must remain wet for 2 minutes. Prepare a fresh solution daily or when use solution becomes visibly dirty.

**Mold and Mildew Control directions**

Add 2.0 oz. per gallon of water, to control the growth of mold and mildew and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappear.

**Sanitizing Non-Food Contact Surface directions**

Add 2.0 oz. per 5.5 gallons of water, to sanitize hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

**Non-Acid Bowl Decontaminant/Cleaner directions**

From concentrate:

Add 2.0 oz. 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:

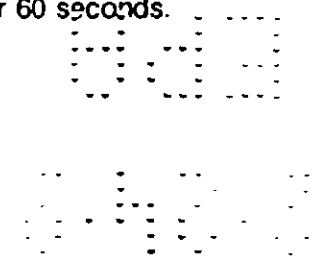
Empty toilet bowl or urinal and apply 2.0 oz./gal. use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer.

**\* 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.\***

**CONTACT TIME:** Leave surface wet for 2 minutes with 2.0 oz. per gallon use-solution. Use a 10 minute contact time for disinfection against all other bacteria, and fungi claimed. **CLEANING PROCEDURE:** Blood and other body fluids containing HIV must be thoroughly cleaned from surfaces and objects before application of LONZA FORMULATION DC-110N. **PERSONAL PROTECTION:** Clean-up should always be done wearing protective latex gloves, gowns, masks and eye protection. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**PELIGRO:** Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.



ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 23 1992

U. S. Environmental Protection Agency  
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