

96.03.27

LONZA FORMULATION  
DC-109N

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

GUARANTEE:

Didecyl dimethyl ammonium chloride 7.68%

COMMERCIAL

DANGER POISON

CORROSIVE TO EYES

SKIN IRRITANT

READ THE LABEL BEFORE USING

REGISTRATION NO. 24295

PEST CONTROL PRODUCTS ACT

DIN 02016966

NET CONTENTS:

Manufactured by:

LONZA INC.

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CANADA COLORS & CHEMICALS

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07FEB96

Cross-contamination is of major housekeeping concern not only in hospitals, but in food processing establishments. LONZA FORMULATION DC-109N has been formulated to aid in the reduction of cross-contamination in these areas. LONZA FORMULATION DC-109N

is a concentrated one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and inhibits the growth of mold and mildew and their odours when used as directed.

LONZA FORMULATION DC-109N is an effective one-step sanitizer-cleaner for use on non-food contact surfaces. When used as directed, LONZA FORMULATION DC-109N 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 odours.

LONZA FORMULATION DC-109N is recommended for use in hospitals, medical and dental offices, nursing homes, food processing plants, food storage areas and kitchens. This product contains no phosphorous.

#### Industrial/Institutional/Janitorial

LONZA FORMULATION DC-109N is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans, and deodorizes in one labour-saving step. LONZA FORMULATION DC-109N is an economical concentrate that can be used with a mop and bucket, trigger sprayer, sponge, or by soaking. Provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat. Maximizes labour results by effectively controlling odours for a long lasting clean.

LONZA FORMULATION DC-109N is a hospital disinfectant, bactericidal at 1:128 dilution (8 mL per litre) according to the current AOAC Use-Dilution Test method, modified in the presence of 400 ppm synthetic hard water (calculated as CaCO<sub>3</sub>) plus 5% organic serum against:

*Pseudomonas aeruginosa*  
*Staphylococcus aureus*  
*Salmonella choleraesuis*  
*Brevibacterium ammoniagenes*  
*Chlamydia psittaci*  
*Escherichia coli*  
*Enterobacter aerogenes*  
*Enterobacter cloacae*  
*Klebsiella pneumoniae*  
*Proteus vulgaris*  
*Salmonella typhi*  
*Salmonella typhimurium*  
*Salmonella schottmuelleri*  
*Serratia marcescens*  
*Shigella flexneri*  
*Shigella sonnei*  
*Streptococcus faecalis*  
*Streptococcus pyogenes*  
*Shigella dysenteriae*

Staphylococcus epidermidis

Methicillin Resistant Microorganisms:

Staphylococcus aureus  
Escherichia coli  
Klebsiella pneumoniae  
Streptococcus faecalis  
Pseudomonas cepacia

LONZA FORMULATION DC-109N is virucidal at 1:128 dilution (8 mL per litre) according to the virucidal qualification, modified in the presence of 400 ppm hard water plus 5% organic serum against: Influenza A, Herpes Simplex Type 1, Herpes Simplex Type 2, Vaccinia, Rubella.

LONZA FORMULATION DC-109N is fungicidal at 1:128 dilution (8 mL per litre) 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-109N is a sanitizer for hard non-porous non-food contact surfaces at 8 mL per litre dilution against: Staphylococcus aureus and Enterobacter aerogenes.

Food Processing Operations:

For use in federally inspected meat and poultry plants as a general cleaning agent on all surfaces, or for use with mechanical cleaning devices in all departments. Before use of this compound, food products and packaging materials must be removed from the room or carefully protected. After use of this compound, all surfaces in the areas must be thoroughly rinsed with potable water.

General Use Directions:

Apply LONZA FORMULATION DC-109N 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-109N 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 15-20 cm from surface, rub with brush, sponge or cloth. Do not breathe spray mist.

Disinfection Directions: Add 8 mL per litre 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 8 mL per litre 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: Add 8 mL per litre of water, to control the growth of mold and mildew and their odours on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odours reappear.

Sanitizing Non-Food Contact Surfaces: Add 8 mL per 1 litre of water, to sanitize hard, non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Non-Acid Bowl Disinfection/Cleaner From Concentrate: Add 8 mL to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush. From Use-Solution: Empty toilet bowl or urinal and apply 8 mL/L use-solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer.

Instructions for cleaning and Decontaminating Against HIV-1 on Surfaces and Objects Soiled with Blood or Bodily Fluids: This product is effective against HIV-1 (Human Immunodeficiency Virus, in hard water up to 400 ppm (CaCO<sub>3</sub>), and in the presence of organic soil (5% blood serum).

Personal Protection: Clean-up should always be done wearing protective latex gloves, gowns, masks and eye protection.

Cleaning Procedure: Thoroughly clean blood or bodily fluids from surfaces before applying "LONZA FORMULATION DC-109 N".

Contact Time: To kill HIV-1, apply "LONZA FORMULATION DC-109N" at 8 mL per litre of water and allow surface to remain wet for 10 minutes.

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

#### FIRST AID INSTRUCTIONS:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, contact a physician. Remove and wash all contaminated clothing before re-use. If swallowed, drink milk, egg whites, gelatin solution or if none of these are available, drink large quantities of water. Call a physician immediately.

#### PRECAUTION:

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 the concentrate. Harmful or fatal if swallowed. Avoid contamination of food. Do not store in food processing areas or food storage areas.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

TOXICOLOGICAL INFORMATION: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. CONTAINS: Surfactant, sequestrant, fragrance and dye.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

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