

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM31

6836-77

1/10

JUN 17 1996

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

Attention: Elliott Harrison
Agent for Lonza

Subject: Lonza Formulation S-18
EPA Registration Number 6836-77
Your Submission Date January 17, 1996
EPA Received Date February 13, 1996

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to update your label is acceptable provided that you do the following:

1. On page 2 of the label, revise the statement "Lonza Formulation S-18 meets AOAC efficacy standards for hospital disinfectants" to read "Lonza Formulation S-18 meets AOAC Use-Dilution efficacy test standards for hospital disinfectants."
2. On page 2 of the label revise the statement "Lonza Formulation S-18 meets AOAC efficacy standards for sanitizers" to read "Lonza Formulation S-18 meets EPA's Sanitizer Test standards for hard, non-food contact surface sanitizers."
3. On page 2 of the label revise the statement "Use Lonza Formulation S-18 to clean and disinfects water non-porous salon..." to read "Use Lonza Formulation S-18 to clean and disinfects non-porous salon...."

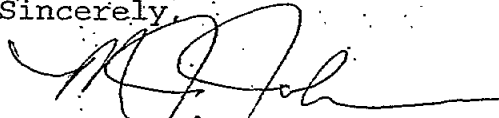
A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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If you have any questions concerning this letter, please contact Velma Noble at (703) 305-7441.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. J. Johnson, Jr.", written in a cursive style.

Marion J. Johnson, Jr.
Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

**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.

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.

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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. 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 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

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 Container: Triple rinse (or equivalent), then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

(If container is 1 gallon or less, use this container disposal statement.)

Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

**LONZA
Formulation
S-18**

Disinfectant-Cleaner-Sanitizer-Fungicide-Mildewstat-
Virucide*-Deodorizer

for Hospitals, Institutional and Industrial Use
Effective in hard water up to 400 ppm hardness
(Calculated as CaCO₃) in the presence of 5% serum
contamination

Formulated for Effective Poultry Premise Sanitation
Formulated for Effective Swine Premise Sanitation

Active Ingredients

Octyl decyl dimethyl ammonium chloride	3.255%
Dioctyl dimethyl ammonium chloride	1.302%
Didecyl dimethyl ammonium chloride	1.953%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	4.340%
Inert Ingredients	89.150%

100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

**SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Registration No.
EPA Establishment No.
Net Contents

6836-77
6836-IL-1

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

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN 17 1996
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
6836-77

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Cleaner, Deodorizer, Disinfectant
 Fresh mild scent
 Kills household germs
 Kills odor causing bacteria
 Kills odor causing germs and bacteria
 Inhibits growth of mildew
 Cuts through tough grease and grime
 Cleans and deodorizes pet spills
 Cleans rodent soiled areas
 Kitchen, Bathroom, Household Disinfectant Cleaner
 Cleans Dirt, Grease and Food Stains
 This product contains no phosphorous
 Heavy Duty Bathroom Cleaner, Mildewstat, and:
 Deodorizer
 Removes soap scum from shower tile, fiberglass,
 chrome and glass, toilet bowls, sinks, tubs, whirlpool
 baths, spas
 Return empty container to manufacturer

Cross-contamination is of major housekeeping concern, **LONZA Formulation S-18** has been formulated to aid in the reduction of cross-contamination not only in hospitals, but in schools, institutions, and industry. When used as directed, **LONZA Formulation S-18** will clean and deodorize surfaces in rest room and 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 S-18** 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.

Multi-Purpose **LONZA Formulation S-18** cleans, deodorizes and disinfects most washable surfaces. **LONZA Formulation S-18** cleans, disinfects and deodorizes in one labor-saving step. **LONZA Formulation S-18** can be used with a mop and bucket, trigger sprayers, sponge, by soaking or dipping. **LONZA Formulation S-18** effectively controls malodors. **LONZA Formulation S-18** maximizes labor results by effectively controlling odors for a long lasting clean. Multi-Purpose **LONZA Formulation S-18** eliminates odors. **LONZA Formulation S-18** delivers non-acid disinfectant performance in an economical (1 ounce per gallon) dilutable formula. **LONZA Formulation S-18** is for use on most washable surfaces. Test a small area first.

LONZA Formulation S-18 is for use in kitchens, bathrooms and other household areas. Use **LONZA Formulation S-18** to clean and disinfect kitchen surfaces. Use on counters, sinks, tables, stoves and microwave ovens. **LONZA Formulation S-18** Kills germs and helps prevent the spread of food-borne contamination on all hard Kitchen, Bathroom, Household surfaces. **LONZA Formulation S-18** helps prevent the spread of harmful germs on all hard Kitchen, Bathroom, Household surfaces.

LONZA Formulation S-18 removes dirt, grease, grime, food stains, soap scum, fingerprints, tough soils, crayon/pencil marks and heel marks in and around the house, kitchen, bathroom.

LONZA Formulation S-18 cuts grease and grime without scrubbing.

LONZA Formulation S-18 removes tough grease, food stains, soap scum, and ground-in dirt and grime throughout the house.

LONZA Formulation S-18 Cleans, shines, deodorizes and disinfects all non-porous household surfaces. Inhibits the growth of mildew, leaving kitchens, bathrooms, households clean and smelling fresh.

LONZA Formulation S-18 multi-purpose cleaner, disinfectant and deodorizer that leaves the whole house smelling clean and fresh.

LONZA Formulation S-18 kills germs and cleans with a fresh scent.

LONZA Formulation S-18 is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures, and toilet bowls.

LONZA Formulation S-18 will not leave grit or soap scum.

LONZA Formulation S-18 is a Disinfectant & Sanitizer for Veterinarian, Animal Care, and Agricultural applications.

LONZA Formulation S-18 meets AOAC efficacy standards for hospital disinfectants.

LONZA Formulation S-18 meets AOAC efficacy standards for hard surface sanitizers.

LONZA Formulation S-18 is a cleaner and broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

Use **LONZA Formulation S-18** to clean and disinfect water non-porous salon (barber) tools and instruments: combs, brushes, scissors, blades, and manicure instruments.

Use **LONZA Formulation S-18** to clean and disinfect non-porous fire fighting bunker/turnout gear: trousers, overcoats, gloves, boots, hoods, helmets, air masks.

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LONZA Formulation S-18 may be used in hospitals, homes, medical and dental offices, nursing homes, day care centers, nurseries, restaurants, restaurants and bars, cafeterias, institutional kitchens, convenience stores, crime scenes, emergency vehicles, prisons, correctional facilities, food storage areas, institutional facilities, public rest rooms, institutions, schools, athletic facilities, camp grounds, play grounds, public facilities, food processing plants, food processing facilities, dairy farms, hog farms, poultry and turkey farms, kennels, pet animal quarters, zoos, pet shops, animal laboratories, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes.

LONZA Formulation S-18 may be used on washable hard non-porous surfaces including countertops, stovetops, sinks, appliances, refrigerators, microwave ovens, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, baby toys, washable walls, cabinets, doorknobs, light switches, telephones, shower stalls, tubs and tiles, toilets, toilet seats, portable toilets, porcelain tiling, garbage cans,

refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps, stainless steel, enameled surfaces, woodwork, Formica, vinyl, leather and plastic upholstery, bathtubs, shower stalls, sinks, urinals, toilet bowls, toilet bowl surfaces, related fixtures, walls, kennel runs, cages, floors, conductive flooring and other hard non-porous surfaces (such as metal, stainless steel, glazed porcelain, ceramic, fiberglass, stone and plastic).

LONZA Formulation S-18 may be used on non-critical medical devices and dental and medical equipment surfaces including bed frames, bed rails, wheel chairs, dental chairs, medical beds, whirlpool bath tubs, whirlpool units, ultrasonic bathing units and other hard non-porous surfaces (such as metal, stainless steel, glazed porcelain, ceramic, fiberglass, stone and plastic) in health care facilities. **LONZA Formulation S-18** may also be used for surface pre-cleaning or decontamination of critical or semi-critical devices prior to terminal sterilization or disinfection in health care facilities.

LONZA Formulation S-18 kills *Pseudomonas aeruginosa* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*), *Methicillin Resistant Staphylococcus aureus* (*MRSA*), *Salmonella choleraesuis* (*Salmonella*), *Escherichia coli* (*E. coli*), *Klebsiella pneumoniae* (*Klebsiella*), *Salmonella typhi* (*Salmonella*), *Salmonella schottmuelleri* (*Salmonella*), *Serratia marcescens* (*Serratia*), *Shigella dysenteriae* (*Shigella*), *Streptococcus faecalis* (*Enterococcus faecalis*), *Streptococcus pyogenes* (*Strep*), *Brevibacterium ammoniagenes* (*Brevibacterium*), *HIV-1* (the *AIDS virus*), *Herpes Simplex Virus Types 1&2* (*Herpes*), *Influenza Type A/Brazil* (*Influenza*), *Adenovirus Type 5* (*Adenovirus*) *Vaccinia* (*Pox virus*), *Trichophyton mentagrophytes* (the *Athlete's Foot Fungus*).

LONZA Formulation S-18 reduces 99.99% of *Staphylococcus aureus*, and *Klebsiella pneumoniae* in 60 seconds.

LONZA Formulation S-18 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 S-18 is a Hospital Disinfectant at 1:128 dilution (1 ounce per gallon), Bactericidal according to the AOAC Use-Dilution Test method, Fungicidal according to the AOAC fungicidal test, Virucidal* according to the virucidal qualification, modified in the presence of 400 ppm hard water plus 5% organic serum against:

<i>Pseudomonas aeruginosa</i>	<i>Salmonella schottmuelleri</i>
<i>Staphylococcus aureus</i>	<i>Salmonella typhi</i>
<i>Staphylococcus aureus-MRSA</i>	<i>Serratia marcescens</i>
<i>Salmonella choleraesuis</i>	<i>Shigella dysenteriae</i>
<i>Brevibacterium ammoniagenes</i>	<i>Streptococcus faecalis</i>
<i>Enterobacter aerogenes</i>	<i>Streptococcus pyogenes</i>
<i>Escherichia coli</i>	<i>Trichophyton mentagrophytes</i>
<i>Klebsiella pneumoniae</i>	(the athlete's foot fungus)
	<i>Vibrio cholerae</i>

* <i>HIV-1</i> (<i>AIDS Virus</i>)	<i>Influenza A/Brazil</i>
<i>Herpes Simplex Type I</i>	<i>Vaccinia</i>
<i>Herpes Simplex Type II</i>	<i>Adenovirus Type 5</i> at 1:32 dilution (4 ounces per gallon)

LONZA Formulation S-18 is a Sanitizer for porous and non-porous Non-Food Contact Surfaces at 1:512 dilution (200 ppm active) (0.25 ounce per gallon) according to the method for Sanitizers-Non Food Contact Surfaces, modified in the presence of 500 ppm hard water plus 5% organic serum, in 60 seconds against:

Staphylococcus aureus *Klebsiella pneumoniae*

LONZA Formulation S-18 is a mildewstat at 1:128 dilution (1 ounce per gallon) and will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in the general instructions above).

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Use **LONZA Formulation S-18** to clean, sanitize and disinfect non-porous personal protective safety equipment: protective headgear, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Caution: Cleaning at the recommended 120°F temperature will avoid overheating and distortion of the personal safety equipment which would necessitate replacement.)

Use **LONZA Formulation S-18** to clean and disinfect Finished Floors. Apply with damp mop or auto scrubber. Cleans and disinfects without dulling gloss. To limit gloss reduction, use **LONZA Formulation S-18** at 1 ounce per gallon. Not to be used on floor finish at 4 ounces per gallon.

LONZA Formulation S-18 is an effective anti-microbial cleaner designed for use by wholesale and retail florists, shippers and green houses.

When used as directed, **LONZA Formulation S-18** will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches, and counter tops.

LONZA Formulation S-18 may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use **LONZA Formulation S-18** to clean, disinfect and deodorize flower buckets, walls and floors of coolers, shippers, greenhouse packing areas, garbage pails, and other areas where obnoxious odors may develop.

LONZA Formulation S-18 may be used as a general purpose anti-microbial detergent in florist shops, wholesale florists, shippers, green house packing areas, and others commercial floriculture places for efficient cleaning and anti-microbial action against certain bacteria and fungi which cause:

1. plugging of stems with slime which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli, and tulips.
2. production of ethylene gas which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, babies breath, sweet peas, freesia, and alstroemeria.

LONZA Formulation S-18 is recommended for Poultry Premise Sanitation (Hatcheries): 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 all other Poultry House related Equipment, and all other surfaces in the Hatchery Environment.

LONZA Formulation S-18 is recommended for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and Areas, Nursery, Blocks, Creep Area, Chutes.

LONZA Formulation S-18 is effective against Avian Influenza virus, Avian Infectious Bronchitis virus, Pseudorabies virus, Canine Distemper virus, Newcastle's Disease virus.

LONZA Formulation S-18 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), fungicidal, and inhibits the growth of mold and mildew and their odors when used as directed. **LONZA Formulation S-18** is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

Additional Information - As a detergent, **LONZA Formulation S-18** is for light duty to medium duty to heavy duty cleaning performance, depending on dilution. It is not formulated for gross filth and heavy accumulations of soil. Consult your Lonza service person for information about our wide selection of heavy-duty cleansers. After an initial thorough cleaning, use **LONZA Formulation S-18** to maintain the cleanliness of surfaces when they become lightly soiled. Regular and frequent applications are more efficient and practical than irregular cleaning.

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PELIGRO:

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

Directions for Use

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

(Instrucciones de uso)

El empleo 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 pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(Este producto no debe usarse como esterilizante/desinfectante de alto nivel 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 ésta o con zonas orgánicas normalmente estériles, o (2) haya de entrar en contacto con mucosas intactas aunque habitualmente no atravesase la barrera hematológica o no penetre de alguna otra manera en zonas normalmente estériles del organismo. Este producto no se puede usar para la limpieza preliminar o para la descontaminación de dispositivos médicos de importancia crítica o semicrítica antes de proceder a la esterilización o la desinfección de alto nivel)

Preparation of use-solution:

Add (mix) 1 oz. per gallon of water (1:128), to disinfect hard, non-porous surfaces.

For heavy duty use, add (mix) 4 oz. per gallon of water (1:32), to disinfect hard, non-porous surfaces.

(Preparación de solución utilizable:

Agregar 1 oz. por galón de agua, para desinfectar superficies duras no porosas.

Para uso pesado, agregar 4 oz. por galón de agua (1:32), para desinfectar superficies duras no porosas.)

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, sprayer, or by soaking or dipping.

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

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

For heavily soiled areas, a preliminary cleaning is required.

(Para áreas muy manchadas, se requiere una limpieza preliminar.)

For sprayer applications, use a coarse mist pump or trigger sprayer. 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.)

Treated surfaces must remain wet for 10 minutes.

Prepare a fresh solution daily or when use solution becomes visibly dirty.

(Las superficies tratadas deben mantenerse mojadas durante 10 minutos. Preparar una solución fresca a diario o cuando la solución utilizable esté visiblemente sucia.)

Sanitizing Non-Food Contact Surface directions:

Add (mix) 0.25 oz. per gallon of water, to sanitize hard porous and 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 0,25 oz. por galón 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.)

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Salon (Barber) Instruments and Tools Disinfectant Directions:

Mix 2 ounces (60 ml) of **LONZA Formulation S-18** per gallon of water, or 0.5 ounce (15 ml) of **LONZA Formulation S-18** per quart of water to disinfect non-porous instruments and tools. **INSTRUMENTS AND TOOLS:** Completely immerse brushes, combs, 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. Fresh solution should be prepared daily or more often if solution becomes cloudy or soiled.

PERFORMANCE: using the recommended directions shown above, **LONZA Formulation S-18** has been found to be effective as a pseudomonacide, bactericide, germicide, fungicide (*Trichophyton mentagrophytes*), and virucide* (*Herpes simplex* Type 1 and Type 2), and Human Immunodeficiency Virus, HIV-1 (AIDS Virus).

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 S-18** to disinfect hard (inanimate) non-porous objects compatible with Ultrasonic cleaning units.

Pour fresh solution of 1 oz. per gallon of water (1:128) directly into bath chamber. Preclean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturer's use directions.

Remove objects and rinse with sterile water (sterile water for injection), or allow to air dry. Replace solution daily or when solution becomes visibly dirty or discolored.

Commercial Florist Use Directions:

To clean, disinfect and deodorize hard, non-porous surfaces in one step, prepare **use-solution** by adding (mixing) 1 oz. per gallon of water (1:128). For heavy duty use, add (mix) 4 oz. per gallon of water (1:32).

Remove all leaves, petals, garbage, and refuse. Pre-clean surfaces using pressurized water where possible. Apply **use-solution** to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge, or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

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

Treated surfaces must remain wet for 10 minutes.

Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection of Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve.

Add 1 ounce of **LONZA Formulation S-18** 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/all related equipment with a clean swab, brush or sponge.

After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water.

Repeat for heavily soiled units.

Treated surfaces must remain wet for 10 minutes.

Non-Acid Toilet Bowl and Urinal Disinfectant/Cleaner **directions:**

From concentrate:

Add 1 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 a 1 oz. /gal. 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 a 4 oz. /gal. (1:32) 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 y urinario:

Con el concentrado:

Agregar 1 oz. 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 1 oz./gal. 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 4 oz./gal. (1:32) a las superficies expuestas, inclusive debajo del reborde, con un trapo, estropajo, esponja o rociador, dejar estar por 10 minutos y correr el agua.)

*** 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 S-18 .

CONTACT TIME: Leave surface wet for 60 seconds with 1 oz. per gallon use-solution. Use a 10 minute contact time for disinfection against all other virus, bacteria, and fungi claimed.

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.

("MATA EL VIH EN SUPERFICIES/OBJECTOS EXPUESTOS AL MEDIO AMBIENTE PREVIAMENTE CONTAMINADOS CON SANGRE/LIQUIDOS CORPORALES, CUANDO SE LOS HA LIMPIADO

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 (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 S-18 .

TIEMPO DE CONTACTO: Dejar la superficie mojada durante 60 segundos con 1 oz. por galón 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 reglamentaciones locales sobre eliminación de desechos infecciosos.)

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Poultry (and Swine) Premise Disinfection:

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 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. Use 1 ounce of **LONZA Formulation S-18** per gallon of water (1:128). 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.

Hatcheries: Use 1 ounce of **LONZA Formulation S-18** per gallon of water (1:128) to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and **LONZA Formulation S-18**. Use 1 ounce of **LONZA Formulation S-18** per gallon of water (1:128) to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

Shoe Bath Sanitizer Directions To prevent tracking harmful organisms into animal areas, Shoe Baths containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Scrape shoes and place in a 1 ounce per gallon of water (1:128) solution for 60 seconds prior to entering area. Change the disinfectant solution in the bath daily or when solution appears dirty.

Dressing Plant Disinfectant Directions: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants with a solution of 1 ounce per gallon of water (1:128). Gross filth and heavy soil must be removed prior to application of product. Equipment and utensils must remain wet for 10 minutes then thoroughly rinsed with potable water before operations are resumed. Disinfect offal rooms, exterior walls and loading platforms of dressing plants.