

4W-1 6836-170
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 26 1995

Lonza, Inc.
17-17 Route 28
Fair Lawn, NJ 07410

Attention: Eliot I. Harrison

Subject: Bardac 205M-7.5
EPA Registration Number 6836-70
Your Submission Dated August 15, 1995
EPA Received Date August 16, 1995

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comment listed below.


On page 3, modify the statement "Bardac 205M-7.5" has been authorized by the USDA as "...rinse" to read:

"Bardac 205 M-7.5 has been authorized by the USDA as a Sanitizer for all food contact surfaces."

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

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-305-6966.

Sincerely yours,


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

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Precautionary Statements
Hazards to Humans and Domestic Animals
DANGER

Keep out of reach of children. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Do not breathe spray mist. 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 milk, 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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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 disposal. Do not store on side. Avoid creasing or impacting of side walls.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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 by other procedures approved by state and local authorities.

(If container is one gallon or less, use this container disposal statement:)

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

BARDAC
205M-7.5

Disinfectant, Sanitizer, Fungicide, Virucide*, Deodorizer
For Hospital, Institutional and Industrial Use
For Farm, School, Dairy, Restaurant,
Bar and Institutional Kitchen Use

Formulated for Effective Poultry Premise Sanitation

Formulated for Effective Swine Premise Sanitation

Effective in the presence of 5% serum contamination

Active Ingredients

Octyl decyl dimethyl ammonium chloride	2.25%
Dioctyl dimethyl ammonium chloride	0.90%
Didecyl dimethyl ammonium chloride	1.35%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	3.00%
<u>Inert Ingredients</u>	<u>92.50%</u>
	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-70
EPA Establishment No. 6836-IL-1
Net Contents

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

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This product contains no phosphorous.

Bardac 205M-7.5 maximizes labor results by effectively controlling odors.

Bardac 205M-7.5 is for use in kitchens, bathrooms and other household areas.

When used as directed, **Bardac 205M-7.5** will 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.

Cross-contamination is of major housekeeping concern, **Bardac 205M-7.5** has been formulated to aid in the reduction of cross-contamination not only in hospitals, but in schools, institutions, and industry.

Bardac 205M-7.5 delivers non-acid disinfectant performance in an economical concentrate.

Bardac 205M-7.5 is a concentrated Hospital Use disinfectant that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and eliminates odor causing bacteria when used as directed.

Bardac 205M-7.5 is an effective one-step sanitizer for use on food and non-food contact surfaces.

Bardac 205M-7.5 is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

Bardac 205M-7.5 will not leave grit or soap scum. Will not cause swelling of transducer membrane or harm compressor plates.

Bardac 205M-7.5 is a versatile Disinfectant & Sanitizer for Veterinarian, Animal Care, and Agricultural applications.

Bardac 205M-7.5 is a complete, chemically balanced disinfectant - sanitizer - residual bacteriostat that provides clear use solutions even in the presence of hard water.

Bardac 205M-7.5 inhibits bacterial growth on moist surfaces, and deodorizes by killing microorganisms that cause offensive odors.

Bardac 205M-7.5 is recommended for use as a sanitizer on dishes, glassware, and utensils.

Bardac 205M-7.5 is recommended for use as a sanitizer in bottling and beverage dispensing equipment.

Bardac 205M-7.5 is recommended for use as a sanitizer in sanitary filling of bottles and cans.

Bardac 205M-7.5 is recommended for use in sanitizing bottles or cans in the final rinse application, and for external spraying of filler and closing machines.

Bardac 205M-7.5 is recommended for use as a sanitizer in beer fermentation and holding tanks.

Soiled and contaminated fabrics such as diapers, hospital and institutional linen and athletic equipment is of major housekeeping concern in hospitals, institutions, hotels, restaurants and schools. **Bardac 205M-7.5** provides residual bacteriostatic and self-sanitizing properties for laundered items.

Bardac 205M-7.5 is recommended for use in household and commercial humidifiers. Use of **Bardac 205M-7.5** will control the build-up of slime, and unpleasant (malodors) odors.

Use **Bardac 205M-7.5** to disinfect non-porous salon (barber) tools and instruments: combs, brushes, scissors, blades, and manicure instruments.

Bardac 205M-7.5 is recommended for use on exhaust fans, metal ducts and filters, coils and drain pans of air conditioning and refrigeration equipment and heat pumps.

Bardac 205M-7.5 is recommended for sanitizing and disinfecting of ultrasound transducers, probes, mammography compressor plates and other inanimate hard surfaces.

Bardac 205M-7.5 is a versatile sanitizer and broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

Use **Bardac 205M-7.5** to sanitize and disinfect non-porous salon (barber) tools and instruments: combs, brushes, scissors, blades, and manicure instruments.

Bardac 205M-7.5 is recommended for use as a Hatching-Egg sanitizer, with best results achieved in water temperatures ranging from 78°-110°F. **Bardac 205M-7.5** may be applied through automatic washing systems, immersion tanks, foaming apparatus, low pressure sprayers, and fogging (wet misting) systems.

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Bardac 205M-7.5 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, food storage areas, institutional facilities, public rest rooms, institutions, schools, athletic facilities, camp grounds, play grounds, public facilities, food processing plants, USDA inspected food processing facilities, dairy farms, hog farms, poultry and turkey farms, egg processing plants, kennels, pet animal quarters, zoos, pet shops, animal laboratories, laundries, transportation terminals, hotels and motels, factories, business and office buildings, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis, airplanes, humidifier water tanks.

Bardac 205M-7.5 may be used on washable hard non-porous surfaces including food preparation and storage areas, dishes, glassware, silverware, cooking utensils, cutting boards, coolers, ice chests, refrigerator meat and vegetable and egg bins, Tupperware, kitchen equipment like food processors, blenders, cutlery and other utensils, countertops, slurpy machines, stovetops, sinks, appliances, refrigerators, tables, picnic tables, outdoor furniture, chairs, desks, telephones, highchairs, bed frames, washable walls, cabinets, doorknobs, baby toys, telephones, shower stalls, tubs and tiles, toilets, portable toilets, porcelain tiling, garbage cans, exhaust fans, metal ducts and filters, refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps, beer fermentation and holding tanks, bottling or pre-mix dispensing equipment, 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). Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion. No potable water rinse is required.

Bardac 205M-7.5 is recommended for Poultry Premise Sanitation (Hatcheries): Egg Receiving Area, Egg Holding Area, Scatter 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.

Bardac 205M-7.5 is recommended for Swine Premise Sanitation: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and Areas, Nursery, Blocks, Creep Area, Chutes.

Bardac 205M-7.5 kills *Pseudomonas aeruginosa* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*), *Salmonella choleraesuis* (*Salmonella*), *Listeria monocytogenes* (*Listeria*), *Escherichia coli* (*E. coli*), *Escherichia coli* pathogenic strain 0157:H7 (pathogenic *E. coli*), *Klebsiella pneumoniae* (*Klebsiella*), *Pseudomonas cepacia* (*Pseudomonas*), *Salmonella typhi* (*Salmonella*), *Brevibacterium ammonigenes* (*Brevibacterium*), Herpes Simplex Virus Types 1&2 (*Herpes*), Influenza Type A/Brazil (*Influenza*), *Vaccinia* (*Pox virus*), *Trichophyton mentagrophytes* (the Athlete's Foot Fungus).

Bardac 205M-7.5 eliminates 99.99% of harmful *Escherichia coli*, pathogenic *Escherichia coli* 0157:H7, *Listeria monocytogenes*, *Staphylococcus aureus*, and *Klebsiella pneumoniae* in 60 seconds.

At 0.25 ounce per gallon of water dilution (150 ppm), **Bardac 205M-7.5** fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinances 1978 Recommendations of the U.S. Public Health Services in waters up to 400 ppm of hardness calculated as CaCO_3 when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

Bardac 205M-7.5 has been Authorized by the USDA as a Sanitizer for all surfaces not always requiring a rinse.

Bardac 205M-7.5 has been cleared by the FDA in 21 CFR §178.1010 for use on food processing equipment, utensils, and other food-contact articles at a concentration of 150-400 ppm active.

Bardac 205M-7.5 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.

Bardac 205M-7.5 provides residual bacteriostatic and self-sanitizing properties for laundered items, such as diapers, hospital and institutional linen and athletic equipment.

Bardac 205M-7.5 meets AOAC efficacy standards for hospital disinfectants.

Bardac 205M-7.5 meets AOAC efficacy standards for hard surface sanitizers.

Bardac 205M-7.5 meets AOAC efficacy standards for food-contact sanitizers.

Bardac 205M-7.5 is effective against Avian Influenza virus, Avian Infectious Bronchitis virus, Pseudorabies virus, Canine Distemper virus, Newcastle's Disease virus.

Bardac 205M-7.5 is a Hospital Disinfectant at 1:164 dilution (450 ppm active) (0.78 ounce per gallon), Bactericidal at according to the current AOAC Disinfectants, Use-Dilution Method, Fungicidal according to the AOAC fungicidal test, and Virucidal* according to the virucidal qualification, modified in the presence of 5% organic serum against:

<i>Pseudomonas aeruginosa</i>	<i>Klebsiella pneumoniae</i>
<i>Staphylococcus aureus</i>	<i>Listeria monocytogenes</i>
<i>Salmonella choleraesuis</i>	<i>Pseudomonas cepacia</i>
<i>Brevibacterium ammonigenes</i>	<i>Salmonella typhi</i>
<i>Escherichia coli</i>	
<i>Escherichia coli</i>	<i>Trichophyton</i>
pathogenic strain 0157:H7	mentagrophytes
	<i>Yersinia enterocolitica</i>

* Influenza A/Brazil	Herpes Simplex Type 1
Vaccinia	Herpes Simplex Type 2

Bardac 205M-7.5 is a Sanitizer for Food Contact Surfaces at 1:375 dilution (200 ppm active) (0.34 ounce per gallon) according to the AOAC Disinfectants, Germicidal & Detergent Sanitizer Method, modified in the presence of 500 ppm hard water plus 5% organic serum against:

<i>Escherichia coli</i>	<i>Listeria monocytogenes</i>
<i>Escherichia coli</i> 0157:H7	<i>Staphylococcus aureus</i>

Bardac 205M-7.5 is a Sanitizer for porous and non porous Non-Food Contact Surfaces at 1:375 dilution (200 ppm active) (0.34 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:

<i>Staphylococcus aureus</i>	<i>Klebsiella pneumoniae</i>
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PELIGRO:

Si no sabe el inglés, solicite instrucciones a su supervisor antes de usar 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.)

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. A potable water rinse is not required following use of this compound on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

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Disinfectant directions:

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

(Instrucciones de desinfección:

Aplicar la solución utilizable de desinfección a antes de limpiado superficies duras (inanimadas) no porosas mojando completamente las superficies según lo recomendado y requerido, con un trapo, estropajo, esponja, rociador o por sumergire.)

Preparation of disinfection use-solution:

Add 0.78 oz. per gallon of water (1:166), to disinfect hard, non-porous surfaces.

(Preparación de solución utilizable de desinfección:

Agregar 0,78 oz. por galón de agua (1:166), para desinfectar superficies duras no porosas.)

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. NOTE: With spray applications, cover or remove all food products.

(Para aplicaciones de rociador, utilizar un aparato de rociado grueso. Rociar 6 a 8 pulgadas desde la superficie, frotar con un cepillo, esponja o trapo. No respirar el vapor del rociador. NOTA: Al rociar, hay que cubrir o retirar todos los productos alimenticios.)

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.)

Sanitizer directions:

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

(Instrucciones de esterilización de superficies están en contacto con alimentos:

Aplicar la solución utilizable de esterilización a antes de limpiado superficies duras (inanimadas) no porosas mojando completamente las superficies según lo recomendado y requerido, con un trapo, estropajo, esponja, rociador o por sumergire.)

Preparation of sanitizing use-solution:

Add 0.34 ounce per gallon of water, to sanitize hard porous and non-porous environmental surfaces.

(Preparación de solución utilizable de esterilización:

Agregar 0,34 oz. por galón de agua, para esterilizar superficies duras porosas y no porosas en contacto con el medio ambiente.)

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. NOTE: With spray applications, cover or remove all food products.

(Para aplicaciones de rociador, utilizar un aparato de rociado grueso. Rociar 6 a 8 pulgadas desde la superficie, frotar con un cepillo, esponja o trapo. No respirar el vapor del rociador. NOTA: Al rociar, hay que cubrir o retirar todos los productos alimenticios.)

Treated surfaces must remain wet for 60 seconds. No potable water rinse is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

(Las superficies tratadas deben mantenerse mojadas durante 60 segundos. No requiere un enjuague de agua potable. Preparar una solución fresca a diario o cuando la solución utilizable esté visiblemente sucia.)

WISCONSIN STATE BOARD OF HEALTH DIRECTIONS FOR EATING ESTABLISHMENTS

- 1) Scrape and pre-wash utensils and glasses whenever possible.
- 2) Wash with a good detergent or compatible cleaner.
- 3) Rinse with clean water.
- 4) Sanitize in a solution of 0.34 ounce **Bardac 205M-7.5** to 1 gallon (1:375) (200 ppm active) of water. Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code.
- 5) Place sanitized utensils on a rack or drain board to air-dry.

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Non-Acid Toilet Bowl Disinfectant directions:**From concentrate:**

Add 3/4 oz. to the toilet bowl or urinal and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, sponge or sprayer. Repeat and allow to stand for 10 minutes and flush.

From use-solution:

Empty toilet bowl or urinal and apply a 0.78 oz./gal. (1:166) 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 no ácido de inodoro:

Con el concentrado:

Agregar 3/4 oz. a la taza del inodoro y mezclar. Cepillar completamente sobre las superficies expuestas y debajo del reborde con un trapo, estropajo, esponja o rociador. Repetir y dejar estar por 10 minutos y correr el agua.

Con la solución utilizable:

Vaciar la taza del inodoro o orinal y aplicar una solución utilizable de 0.78 oz./gal. (1:166) a las superficies expuestas, inclusive debajo del reborde, con un trapo, estropajo, esponja o rociador, dejar estar por 10 minutos y correr el agua.)

Ultrasonic Bath Disinfectant Directions:

Use Bardac 205M-7.5 to disinfect hard (inanimate) non-porous objects compatible with Ultrasonic cleaning units.

Pour fresh solution of 0.78 oz. per gallon of water (1:166) (450 ppm active) directly into bath chamber. Preclean 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.

Ventilation and Air Conditioning Duct Work Sanitizer Directions:

Preparation: Duct work should be manually or mechanically cleaned, vacuumed or blown free of dirt, dust, mold and debris, using a commercially available duct cleaning system or service.

Application: Spray or fog a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water into duct work using a suitable spraying or fogging device. Make sure that the surfaces are thoroughly wet for at least 60 seconds. During application, area must be closed as tightly as possible and sealed. After spraying or fogging, the area should be opened and aired for one (1) hour before repopulating. Do not breathe spray mist. Use an applicable NIOSH/MSHA approved respirator appropriate for fogging or spraying this product. After application, allow to air dry. Treat as required.

Salon (Barber) Instruments and Tools Sanitizer**Directions:**

Preclean soiled instruments and tools. Completely immerse water safe non-porous salon instruments and tools in a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water for at least 60 seconds. Rinse thoroughly and dry before use. Fresh solution should be prepared daily or more often if solution becomes cloudy 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.

Restaurant and Bar Use Sanitizer Directions:

Immerse pre-cleaned glassware, dishes, utensils in a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water for at least 60 seconds. Drain thoroughly before reuse. No rinse required.

Beverage Dispensing Equipment Sanitizer**Directions:**

Fill equipment with a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water. Allow solution to remain in equipment for at least 60 seconds. Drain thoroughly before reuse. No rinse required.

Sanitary Filling Equipment Sanitizer Directions:

Prepare a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water for final washer and rinser applications. Allow surfaces to remain wet for at least 60 seconds. Drain thoroughly before reuse. No rinse required.

Storage Tank Sanitizer Directions:

Prepare a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of water for mechanical or automated systems. Allow surfaces to remain wet for at least 60 seconds. Drain thoroughly before reuse. No rinse required. Reuse solution for cleaning only.

Laundry Sanitizer (against odor causing bacteria)**Directions:**

Use 4 ounces per 100 pounds of dry weight fabric. Dilute the appropriate amount of Bardac 205M-7.5 in one to two gallons of water then add to the washwheel in the final rinse. Re-treat fabric after each washing. For residual bacteriostatic or self-sanitizing activity, conditions of high relative humidity or wet contamination are required. Laundered fabric may also be treated by soaking.

Humidifier Sanitizer Directions:

Thoroughly clean water tank and filters. Add 0.34 (1/3 ounce) per gallon (1:375) of water. Add 0.34 ounce (1/3 ounce) per each gallon of refill water. Not for use in heat or atomizing type humidifiers

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Sanitizing Egg Shells Intended for Food: To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 0.34 ounce per gallon (1:375) (200 ppm active) of warm water. The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are to be broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be re-used for sanitizing eggs.

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 0.78 ounce of **Bardac 205M-7.5** per gallon of water (1:166). 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 0.78 ounce of **Bardac 205M-7.5** per gallon of water (1:166) 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 **Bardac 205M-7.5**. Use 0.78 ounce of **Bardac 205M-7.5** per gallon of water (1:166) 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 0.78 ounce per gallon of water (1:166) 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 0.78 oz. per gallon of water (1:166) (450 ppm active). 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.

Dairy Cow Application Directions: The udders, flanks, and teats of dairy cows can be washed with a solution of 0.34 ounce **Bardac 205M-7.5** per gallon of warm water. Use a fresh towel for each cow. Avoid contamination of wash solution by dirt and soil. Do not dip used towel back into wash solution. When visibly dirty, discard and provide fresh solution.

Fogging Device Hatchery Room Sanitizer Directions:

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 two part **Bardac 205M-7.5** to five parts water (1 gallon **Bardac 205M-7.5** to 2.5 gallons water). Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, for one minute for each 4000 cubic feet of space in the room.

Fogging Device Incubator and Hatcher Sanitizer Directions:

Mix 12 ounces **Bardac 205M-7.5** to 116 ounces water. Fog 3-8 ounces of this into 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 1 ounce per gallon solution of **Bardac 205M-7.5** 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, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: 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 FOR ROOM AND MACHINE SURFACES.

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