

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

6836-233

JUL 01 1997

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
[X] Registration
[ ] Reregistration

Name of Pesticide Product:

Bardac 205M-50

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Lonza Inc.
17-17 Route 208
Fair Lawn, N.J. 07410

Note: Changes in labeling 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.

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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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 following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. ". 6836-233.

3. Submit two copies of the revised final printed label for the record.

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 o the product constitutes acceptance of these conditions.

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

Signature of Approving Official:

[Handwritten Signature]

Date:

JUL 01 1997

EPA Form 8570-6

CONCURRENCES

Table with columns for SYMBOL, SURNAME, and DATE, used for recording concurrences.

2 7 9

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.

**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.

**BARDAC  
205M-50**

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 .....	15.0%
Diocetyl dimethyl ammonium chloride .....	6.0%
Didecyl dimethyl ammonium chloride .....	9.0%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride .....	20.0%
<u>Inert Ingredients</u> .....	<u>50.0%</u>
	100.00%

KEEP OUT OF REACH OF CHILDREN

**DANGER PELIGRO**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

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

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL - 1 1997

Under the Federal Insecticide,  
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This product contains no phosphorous.

**Bardac 205M-50** maximizes labor results by effectively controlling odors.

When used as directed, **Bardac 205M-50** will deodorize surfaces in rest room and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas.

Cross-contamination is of major housekeeping concern, **Bardac 205M-50** has been formulated to aid in the reduction of cross-contamination not only in hospitals, but in schools, institutions, and industry.

**Bardac 205M-50** delivers non-acid disinfectant performance in an economical concentrate.

**Bardac 205M-50** is a concentrated Hospital Use disinfectant that is effective against a broad spectrum of bacteria, is virucidal, and fungicidal and inhibits the growth of odor-causing bacteria when use as directed.

**Bardac 205M-50** is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

**Bardac 205M-50** will not leave grit or soap scum. Will not cause swelling of transducer membrane or harm compressor plates.

**Bardac 205M-50** is a versatile Disinfectant & Sanitizer for Veterinarian, Animal Care, and Agricultural applications.

**Bardac 205M-50** is recommended for use in commercial humidifiers. Use of **Bardac 205M-50** will control the build-up of slime, and unpleasant odors (malodors).

**Bardac 205M-50** is recommended for use as a sanitizer on dishes, glassware, and utensils.

**Bardac 205M-50** is recommended for use as a sanitizer in bottling and beverage dispensing equipment.

**Bardac 205M-50** is recommended for use as a sanitizer in sanitary filling of bottles and cans.

**Bardac 205M-50** 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-50** is recommended for use as a sanitizer in beer fermentation and holding tanks.

**Bardac 205M-50** is recommended for sanitizing and disinfecting of ultrasound transducers, probes, mammography compressor plates and other inanimate hard surfaces.

**Bardac 205M-50** is a versatile sanitizer and broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

**Bardac 205M-50** is recommended for use as a Food Grade Shell-Egg Sanitizer, with best results achieved in water temperatures ranging from 78°-110°F. **Bardac 205M-50** may be applied through automatic washing systems, immersion tanks, foaming apparatus, and low pressure sprayers.

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Bardac 205M-50 may be used in hospitals, medical and dental offices, nursing homes, restaurants, restaurants and bars, cafeterias, institutional kitchens, convenience stores, 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, buses, trains, airplanes.

Bardac 205M-50 may be used on washable hard non-porous surfaces including food preparation and storage areas, dishes, glassware, silverware, cooking utensils, 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, telephones, shower stalls, tubs and tiles, toilets, porcelain tiling, garbage cans, exhaust fans, 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, 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.

Note: Bardac 205M-50 is not for residential use.

Bardac 205M-50 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.

Bardac 205M-50 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-50 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), Herpes Simplex Virus Types 1&2 (Herpes), Vaccinia (Pox virus), Trichophyton mentagrophytes (the Athlete's Foot Fungus).

Bardac 205M-50 reduces 99.99% of Escherichia coli, pathogenic Escherichia coli 0157:H7, Listeria monocytogenes, Staphylococcus aureus, and Klebsiella pneumoniae in 60 seconds.

At 3/8 oz. per 10 gal. of water dilution (150 ppm) Bardac 205M-50 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<sub>3</sub> when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus.

Bardac 205M-50 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-50 meets AOAC Use-Dilution Test Standards for hospital disinfectants.

Bardac 205M-50 meets EPA's Sanitizer Tests for non-food contact surface sanitizers.

Bardac 205M-50 meets AOAC Germicidal and Detergent standards for sanitizing previously cleaned food-contact surfaces.

Bardac 205M-50 is effective against Avian influenza virus, Avian Infectious Bronchitis virus, Pseudorabies virus, Canine Distemper virus, Newcastle's Disease virus.

ACCEPTED with COMMENTS in EPA Letter Dated:

JUL - 1 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.

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**Bardac 205M-50** is a Hospital Disinfectant at 1:1100 dilution (450 ppm active) (1.16 oz. per 10 gallons of water), Bactericidal 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:

- |                           |                         |
|---------------------------|-------------------------|
| Pseudomonas aeruginosa    | Klebsiella pneumoniae   |
| Staphylococcus aureus     | Listeria monocytogenes  |
| Salmonella choleraesuis   | Pseudomonas cepacia     |
| Salmonella typhi          |                         |
| Escherichia coli          |                         |
| Escherichia coli          | Trichophyton            |
| pathogenic strain 0157:H7 | mentagrophytes          |
|                           | Yersinia enterocolitica |
| Influenza A2/Hong Kong    | Herpes Simplex Type 1   |
| Vaccinia                  | Herpes Simplex Type 2   |

Directions for Use

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

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.

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:**

**Preparation of disinfectant use-solution:**

Add 1.16 oz. of Bardac 205M-50 per 10 gal. of water (1:1100 dilution, 450 ppm active) to disinfect hard, non-porous surfaces.

Apply disinfectant 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.

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.

Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use solution becomes visibly diluted or soiled.

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

**From use-solution:**

Empty toilet bowl or urinal and apply a 1.16 oz. of Bardac 205M-50 per 10 gal. of water use-solution (1:1100 dilution) to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

**Ultrasonic Bath Disinfectant Directions:**

Use Bardac 205M-50 to disinfect hard (inanimate) non-porous objects compatible with Ultrasonic cleaning units.

Pour fresh solution of 1.16 oz. of Bardac 205M-50 per 10 gal. of water (1:1100 dilution, 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. Prepare fresh solution for each use.

**Sanitizing of Food Processing Equipment and other Hard Surfaces in Food Processing**

**Locations, Dairies, Restaurants and Bars:**

For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard surfaces. Prior to application, remove gross food particles and soil by a pre-flush, or pre-scrape and, when necessary, pre-soak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.

Apply a solution of 0.375-0.50 oz (3/8-1/2 oz.) of Bardac 205M-50 per 10 gal. of water (1:3325-1:2500 dilution, 150-200 ppm active) to the pre-cleaned hard surface, thoroughly wetting surfaces, as recommended and required, with a cloth, mop, sponge, sprayer or by immersion. Surfaces should remain wet for at least one minute followed by adequate draining and air drying. Fresh solution should be prepared daily or when use solution becomes diluted or soiled. For mechanical application, use-solution may not be reused for sanitizing applications. No potable water rinse is required after application of the sanitizing solution.

At 3/8 oz/10 gal. of water (150 ppm active), Bardac 205M-50 is an effective food-contact sanitizer, in water up to 400 ppm hardness, against Escherichia coli and Staphylococcus aureus. At 0.50 oz./10 gal. of water, (200 ppm active), Bardac 205M-50 is an effective food-contact sanitizer, at 500 ppm hard water, against Escherichia coli, Escherichia coli O157:H7, Listeria monocytogenes and Staphylococcus aureus.

**WISCONSIN STATE BOARD OF HEALTH  
DIRECTIONS FOR EATING ESTABLISHMENTS**

- 1) Scrape and pre-wash utensils and glassware whenever possible.
- 2) Wash with a good detergent or compatible cleaner.
- 3) Rinse with clean water.
- 4) Sanitize in a solution of 0.50 oz. of Bardac 205M-50 per 10 gal. 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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**Restaurant and Bar Use Sanitizer Directions:**

Prior to application, remove gross food particles and soil by a pre-flush, or pre-scrape and, when necessary, pre-soak. Then thoroughly wash of flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the santizing solution.

Immerse pre-cleaned glassware, dishes, utensils, in a solution of 3/8-1/2 oz. of **Bardac 205M-50** per 10 gal. of water (150-200 ppm active) for at least 60 seconds. Drain thoroughly before reuse and air dry. No rinse required.

**Beverage Dispensing Equipment Sanitizer Directions:**

Fill equipment with a solution of 3/8-1/2 oz. of **Bardac 205M-50** per 10 gal of water (150-200 ppm active). 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 3/8-1/2 oz. of **Bardac 205M-50** per 10 gal of water (150-200 ppm active) 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 3/8-1/2 oz. of **Bardac 205M-50** per 10 gal. of water (150-200 ppm) 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.

**Humidifier Sanitizer Directions:**

Thoroughly clean water tank and filters. Add 1/2 oz. of **Bardac 205M-50** per 10 gal. of water (200 ppm active). Add 1/2 oz. of **Bardac 205M-50** per 10 gal. of refill water. Not for use in heat or atomizing type humidifiers.

**Sanitizer Directions for Non-Food Contact Surfaces**

**Preparation of Sanitizer Use-Solution**

Add 0.50 oz. of **Bardac 205M-50** per 10 gal. of water (200 ppm active) to sanitize hard, non-porous surfaces. At 200 ppm active, **Bardac 205M-50** is an effective one-step sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on non-food contact surfaces.

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

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 sprayer applications, cover or remove all food products. Treated surfaces must remain wet for 1 minute, then wipe with sponge, mop or cloth or let air dry.

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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 3/8-1/2 oz. of **Bardac 205M-50** per 10 gal. of warm water (150-200 ppm active). 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.

**Note:** Only clean, whole eggs can be sanitized. Dirty, cracked or punctured eggs cannot be sanitized.

**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 1.16 oz. of **Bardac 205M-50** per 10 gal. Of water (450 ppm active). 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 1.16 oz. of **Bardac 205M-50** per 10 gal. of water (450 ppm active) to treat hatching trays, setters, 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-50**. Use 1.16 oz. of **Bardac 205M-50** per 10 gal. of water (450 ppm active) 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 1/2 oz. of **Bardac 205M-50** per 10 gal. of water solution (200 ppm active) for 60 seconds prior to entering area. Change the solution in the bath daily or when solution appears diluted or soiled.

**Dressing Plant Disinfectant Directions:** Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants with a solution of 1.16 oz. of **Bardac 205M-50** per 10 gal. of water (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.

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**Dairy Cow Application Directions:** The udders, flanks, and teats of dairy cows can be washed with a solution of 1/2 oz. of Bardac 205M-50 per 10 gal. of warm water (200 ppm active). 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 1 gal. of Bardac 205M-50 per 20 gal. of water. Insert the nozzle of the fogger through a suitable opening into the room. Use the setting in maximum output, for one minute for each 4000 cubic feet of space in the room. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed).

**Fogging Device Incubator and Hatcher Sanitizer Directions:**

Mix 1 gal. of Bardac 205M-50 per 10 gallons of 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. It is acceptable to fog setters and hatchers with a 1 ounce per gallon solution of Bardac 205M-50 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. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed).

**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 until the fog has settled (30-60 minutes after fogging is completed). 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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