

APR 26 2006

Ana Rodriguez-Koster  
Agent for Microban Systems, Inc.  
Microban Systems, Inc.  
4660 Elizabeth Street  
Coraopolis, PA 15108

Subject: **Microban Professional Strength Multi-Purpose  
Antibacterial Cleaner**  
EPA Registration Number 70263-8  
Application Date February 22, 2006  
EPA Received Date February 23, 2006

Dear Ms. Koster:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended is acceptable with the following comment.

**Proposed Amendments:**

- Minor label change

**Label Comment:**

Due to the increasing consumer concerns about Avian Influenza, the Agency requires that you either cite the specific strain tested or delete the organism from the label. In addition, we are requiring that all animal pathogens be cited on the label preceding its directions so that a clear site-pest relationship is established. Therefore, the following organism must be placed before or after the Farm Premise, livestock, Turkey, and Poultry House and Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shops/Kennel"

Disinfection Directions headings:

Avian Influenza Virus {specific strain tested}  
Avian Infectious Bronchitis Virus  
Canine Distemper Virus

		Newcastle disease virus	CONCURRENCES				
SYMBOL	Pseudorabies Virus						
SURNAME							
DATE							

2/11

**General Comments:**

A stamped copy of the acceptable labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7501C)

Enclosure

3/11

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Caution. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID**

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice. Have the container or label with you when calling a poison control center or doctor, or going for treatment.

(Note to reviewer: If container size is 5 gallons or larger, the following Environmental Hazards statements will be used:)

**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.

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER**

One-Step Disinfectant

Cleaner - Fungicide -

Mildewstat - Virucide\* - Deodorizer

For Homes, Hospitals, Institutional and Industrial Use

Effective in the presence of 5% serum contamination

Fresh / Clean / Mild / Lemon / Pine / Mint / Floral / Citrus (scent) (fragrance) (scented) (odor)

- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective Mushroom Farm Sanitation
- Formulated for Veterinary Practice / Animal Care / Animal Laboratory Disinfection

For use in federally inspected meat and poultry plants

- Staphylocidal • Pseudomonacidal • Bactericidal
- Salmonellacidal • Fungicidal • Virucidal\*

**Active Ingredients:**

Octyl decyl dimethyl ammonium chloride.....	0.025%
Diocetyl dimethyl ammonium chloride .....	0.010%
Didecyl dimethyl ammonium chloride .....	0.015%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	0.034%
Other Ingredients.....	99.916%
Total.....	100.000%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See (left)(side)(right)(back) panel for Precautionary Statements and First Aid

(Directions for Additional Uses Are Contained on the Extended Product Label. Extended Label is Securely Attached to the Lid of this Container. If the Extended Label is Missing or Damaged, Contact Either Distributor or Manufacturer for a Replacement Copy)

EPA Reg. No. 70263-8

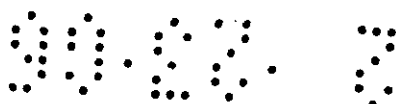
EPA Establishment No. *(insert EPA Est. No. here)*

Net Contents *(insert container size here)*

(Manufactured for:)(Sold By:)(Manufactured by:)

Microban Systems  
4660 Elizabeth Street  
Coraopolis, PA 15108  
(412) 264-8340 1-800-332-6037

**ACCEPTED**  
with **COMMENTS**  
by EPA Letter Dated:  
**APR 26 2006**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 70263-8



4/11

*(Note to reviewer: The following is considered optional marketing language.)*

- Disinfects (Disinfectant)
- Cleans (Cleaner)
- Deodorizes (Deodorant)
- This product contains no (phosphates or phosphorous (compounds).
- Ready-to-Use
- Citrus Scent
- Fresh Mild Scent
- Removes soap scum
- (Convenient) Ready To Use formula.
- (Economical) (Spray & Wipe) formula.
- Cuts (through) (tough) grease and grime.
- Kills odor-causing bacteria.
- Inhibits (the growth of) (mold) (and) (mildew)
- Kitchen, Bathroom, Household Disinfectant Cleaner.
- Leaves (your house with) a (clean) (fresh) scent.
- Trigger spray(er)
- Pump spray(er)

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER**

- delivers non-acid disinfectant and cleaning performance.
- is effective yet economical.
- kills household germs; effective against *Pseudomonas aeruginosa* (*Pseudomonas*), *Staphylococcus aureus* (*Staph*) and *Streptococcus faecalis* (*Strep*), *Influenza A / Brazil* (*influenza*) and *Trichophyton mentagrophytes* (*Athlete's foot fungus*) (*Cause of Ringworm*).
- cleans, disinfects and deodorizes in one labor saving step.
- can be used with a mop and bucket, trigger sprayers, sponge or by soaking.
- (improves labor results by) effectively controls (controlling) malodors.
- deodorizes by killing microorganisms that cause offensive odors.
- will disinfect, clean and deodorize surfaces in rest rooms and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- 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.
- is a complete, chemically balanced disinfectant.
- will not leave grit or soap scum.
- is a versatile disinfectant for hard, nonporous nonfood contact surfaces in Veterinarian, Animal care and Farm Premise applications.
- is a (versatile) cleaner and broad spectrum disinfectant formulated for use only on non-critical instruments in Ultrasonic Baths (*Ultrasonic cleaning units*).
- 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 and Hepatitis B Virus and Hepatitis C virus), fungicidal, and inhibits the growth of mold and mildew, and their odors, when used as directed.
- meets AOAC efficacy standards for hospital disinfectants.

Cross-contamination is of major housekeeping concern. MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER has been formulated to aid in the reduction of cross-contamination in not only in hospitals, but in schools, institutions and industry.

**Use MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER**

- in federally inspected Meat & Poultry Plants as a disinfectant or non-food contact sanitizer on all surfaces in inedible product processing areas, nonprocessing areas and / or exterior areas. This product was authorized by USDA as category D1 under the prior authorization program and its formula has not been changed.
- as a disinfectant on hard, nonporous surfaces.
- in kitchens, bathrooms and other household areas.
- to clean and disinfect finished floors, sinks and tubs.
- with a mop and bucket, trigger sprayer, sponge or by soaking.
- for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- to clean and disinfect nonporous salon / barber tools and instruments: combs, brushes, scissors, blades and manicure instruments.
- for disinfecting of ultrasound transducers, probes, mammography compressor plates and other hard nonporous surfaces.
- to clean and disinfect finished floors. Can be applied with damp mop or autoscrubber. Cleans and disinfects without dulling gloss.
- on coils and drain pans of air conditioning and refrigeration equipment and heat pumps. Follow the directions for disinfection.
- for Poultry Premise Sanitation (Hatcheries) of hard nonporous surfaces in: 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 other Poultry House related equipment, and all other hard nonporous surfaces in the Hatchery environment.
- for Swine Premise Sanitation of hard nonporous surfaces: Waterers and Feeders, Hauling Equipment, Dressing Plants, Loading Equipment, Farrowing Barns and areas, Nursery blocks, Creep area, Chutes.
- for Farm Premise Sanitation of hard nonporous surfaces: floors, walls, feed racks, mangers, troughs, automatic feeders, fountains and waterers, forks, shovels, scrapers and other nonporous surfaces in barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals.

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is a phosphate free, germicidal detergent effective in the presence of a moderate amount of organic soil on hard nonporous surfaces found at mushroom farms. **MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** has been designed for use between mushroom crops. Areas of intended use include breezeways and track alleys before spawning, inside and outside walls of mushroom houses, lofts, floors, storage sheds and casing rings. Use of **MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** should be limited to areas where compost and mushrooms are not present.

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is effective against:

- Avian Infectious Bronchitis Virus
- Avian Influenza Virus
- Canine Distemper Virus
- Newcastle's Disease Virus
- Pseudorabies Virus

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is a mildewstat and will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard nonporous surfaces.

6/11

(Note to reviewer: The following is considered optional marketing language.)

**(AREAS OF USE:)**

Use **MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** in:

Bathrooms  
Homes (households)  
Kitchens

Dental offices  
Hospitals  
Medical Offices  
Nursing homes

Day care centers  
Nurseries

Bars  
Cafeterias  
Convenience stores  
Egg Processing plants  
Food processing plants  
Food storage areas  
Institutional kitchens  
Restaurants  
USDA inspected food processing facilities

Athletic facilities  
Barber shops  
Business and office buildings  
Colleges  
Correctional facilities  
Dressing rooms  
Exercise facilities  
Factories  
Hotels  
Institutional facilities  
Institutions  
Locker rooms  
Motels  
Prisons  
Public facilities  
Public rest rooms  
Schools  
Shower and bath areas  
Salons

Camp grounds  
Play ground equipment

Animal laboratories  
Dairy farms  
Hog farms  
Farms  
Kennels  
Poultry farms  
Pet animal quarters  
Pet shops  
Reptile Tanks  
Turkey farms  
Zoos

Airplanes  
Airports  
Boats  
Buses  
Campers  
Cars  
Emergency vehicles  
Mobile homes  
Ships  
Taxis  
Trailers  
Trains  
Transportation terminals

**(TYPES OF SURFACES:)**

Use **MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** on

washable hard, nonporous surfaces of:

Appliances  
Bathroom bowls  
Bathroom basins  
Bathroom fixtures  
Bathtubs  
Cabinets  
Cages  
Chairs  
Coils and drain pans of air conditioning and refrigeration equipment and heat pumps  
Conductive flooring  
Counters (countertops)  
Countertop laminates  
Desks  
Doorknobs  
Floors  
Garbage cans  
Highchairs  
Kennel runs  
Exterior surfaces of Microwave ovens  
Outdoor (patio) furniture except Cushions and wood frames

Exterior surfaces of Refrigerators  
Refrigerated storage and display equipment  
Showers  
Shower stalls  
Sinks (bathroom, kitchen)  
Stoves (stovetops)  
Tables (non-wooden picnic tables)  
Telephones  
Toilets  
Toilet bowls  
Toilet bowl surfaces  
Tubs  
Tiles, glazed  
Ultrasonic baths  
Urinals  
Walls  
Whirlpool bathtubs

Other hard nonporous surfaces made of:  
Formica®  
Glazed ceramic  
Glazed enameled surfaces  
Glazed porcelain  
Metal  
Plastic (such as polystyrene or polypropylene)  
Sealed stone  
Stainless steel  
Upholstery, vinyl and plastic  
Woodwork, finished

7/11

(Note to reviewer: The following is considered optional marketing language.)

**MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is a (one-step) (Hospital use) disinfectant, Bactericidal according to the current AOAC Use-Dilution Test Method, Fungicidal according to the AOAC Fungicidal Test and Virucidal\* according to the virucidal qualification modified in the presence of 5% organic serum against:

(Bacteria:)

- Pseudomonas aeruginosa (Pseudomonas)
- Staphylococcus aureus (Staph)
- Salmonella choleraesuis (Salmonella)

- Acinetobacter baumannii (Acinetobacter)
- Brevibacterium ammoniagenes (Brevibacterium)
- Campylobacter jejuni (Campylobacter)
- Enterobacter aerogenes
- Enterococcus faecalis (Enterococcus)
- Enterococcus faecalis - Vancomycin resistant (VRE)
- Escherichia coli (E. coli)
- ESBL Escherichia coli - (Extended spectrum beta-lactamase producing E. coli)
- Klebsiella pneumoniae (Klebsiella)
- Pseudomonas cepacia (Pseudomonas)
- Salmonella schottmuelleri (Salmonella)
- Salmonella typhi (Salmonella)
- Serratia marcescens
- Shigella dysenteriae (Shigella)
- Staphylococcus aureus Methicillin-Resistant (MRSA)
- Staphylococcus aureus Multi-Drug Resistant
- Staphylococcus aureus - Vancomycin Intermediate Resistant - (VISA)
- Streptococcus pyogenes (Strep)
- Vibrio cholerae

(Viruses:)

- \*Hepatitis B Virus (HBV)
- \*Hepatitis C Virus (HCV)
- \*Herpes Simplex Virus Types 1
- \*Herpes Simplex Virus Type 2 (Herpes)
- \*HIV-1 (the AIDS Virus)
- \*Influenza Type A / Brazil (Influenza)
- \*Respiratory Syncytial Virus (RSV)
- \*Vaccinia (Pox Virus)

(Animal Viruses:)

- Avian Influenza virus
- Avian Infectious Bronchitis Virus
- Canine Distemper Virus
- Newcastle's Disease Virus
- Pseudorabies Virus

(Fungi:)

- Trichophyton mentagrophytes (the Athlete's Foot Fungus)  
(A Cause of Ringworm)
- Aspergillus niger

**DIRECTIONS FOR USE**

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

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.

**DISINFECTION / VIRUCIDAL\* / FUNGICIDAL / MOLD & MILDEW CONTROL DIRECTIONS:**

Apply **MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** undiluted to hard, nonporous surfaces, thoroughly wetting the surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 10 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is recommended.

For sprayer applications, use a coarse spray device. Spray 6 - 8 inches from surface; rub with brush, sponge or cloth. Avoid breathing spray.

**For fungicidal activity: MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is an effective one-step fungicide against Trichophyton mentagrophytes when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities.

**For mold and mildew:** Repeat treatment every 7 days or more often if new growth appears.

Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

(Note to reviewer: Alternate directions for products sold in spray bottles:)

**DISINFECTION / \*VIRUCIDAL / FUNGICIDAL / MOLD & MILDEW CONTROL DIRECTIONS:**

Spray 6 - 8 inches from surface, until surfaces are thoroughly wet. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth, sponge, or mop or allow to air dry.

**For fungicidal activity: MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER** is an effective one-step fungicide against Trichophyton mentagrophytes when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities.

**For mold and mildew:** Repeat treatment every 7 days or more often if new growth appears.

Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

8/11

*(Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used:)*

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.

*(or)*

This product is not for use on medical device surfaces.

**TO CLEAN AND DEODORIZE:** Apply undiluted to surfaces with a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

**NON-ACID TOILET BOWL AND URINAL DISINFECTANT / CLEANER DIRECTIONS:**

Remove gross filth prior to disinfection.

Empty toilet or urinal and apply MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER to exposed surfaces and under the rim with a cloth, mop, sponge, or sprayer. Brush or swab thoroughly, allow to stand for 10 minutes, and flush.

**FOR USE ON FINISHED FLOORS:** Apply with a damp mop or autoscrubber. Allow surface to remain wet for 10 minutes. Wipe or allow to air dry.

**SALON (BARBER) INSTRUMENTS AND TOOLS DISINFECTION (BACTERICIDE) / VIRUCIDE / FUNGICIDE DIRECTIONS:**

Use MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER undiluted to disinfect hard, nonporous instruments and tools. Completely immerse combs, brushes, 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. Use fresh product daily or more often if product becomes diluted 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.

**ULTRASONIC BATH DISINFECTANT DIRECTIONS:**

Use MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER to disinfect hard nonporous non-critical objects compatible with Ultrasonic cleaning units. Pour MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturer's directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Use fresh product for each use.

**DISINFECTION OF WHIRLPOOL UNITS:** After using the whirlpool unit, drain, and fill with MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER to just cover the intake valve. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair lift and any related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse cleaned surfaces with fresh water. Repeat for heavily soiled units.

**KILLS HIV-1 AND HBV AND HCV 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) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OR HBV ON SURFACES / OBJECTS SOILED WITH BLOOD / BODY FLUIDS.**

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

**Cleaning procedure:** Blood and other body fluids containing HIV or HBV must be thoroughly cleaned from surfaces and objects before application of MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER.

**Contact time:** Leave surface wet for 1 minute (60 seconds) for HIV-1 and 10 minutes for HBV. Use a 10 minute contact time for disinfection against all other viruses, bacteria and fungi claimed.

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



9/11

**VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS:**

For cleaning and disinfecting hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Empty all feeding and watering appliances. Saturate surfaces with MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER for a period of 10 minutes. Wipe or allow to air dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers used for removing litter and manure. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**SMALL ANIMAL (HOUSING) (CAGE), (KENNEL) (AND CRATE) DISINFECTION / VIRUCIDAL\* DIRECTIONS:**

1. Remove all animals and feeds from kennel, crate, cage, carryalls.
2. Remove all litter and animal droppings. Thoroughly clean all surfaces with soap or detergent and rinse with water. Empty all feeding and watering appliances.
3. (Apply MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER to surfaces with a cloth, mop, sponge or coarse sprayer until thoroughly wet.) (Spray MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER onto surfaces until thoroughly wet.) Immerse animal handling and cleaning equipment, such as leashes, muzzles and scrapers. Treated surfaces must remain wet for 10 minutes, then wipe or allow to air dry.
4. Rinse all surfaces that come in contact with food including animal feeding devices, bowls or dishes with potable water prior to reuse.
5. Do not re-introduce or house animals until treatment has been absorbed, set or dried.

**REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS:**

Remove all reptiles from the enclosure (tank) prior to cleaning and disinfecting. Remove all litter or droppings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER to the surfaces of the enclosure (tank) until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry using a clean cloth or sponge or paper towel. Rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse. Allow the enclosure (tank) to ventilate for a minimum of 10 - 15 minutes before replacing the reptiles.

**DO NOT** apply MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER directly onto the reptile. If MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER, contact your veterinarian immediately.

**FARM PREMISE USE:**

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures 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. Saturate all surfaces with MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used for removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set 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.

19/11

**POULTRY AND SWINE PREMISE DISINFECTION DIRECTIONS:**

Remove all animals and feeds from premises, vehicles, and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures 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. Saturate surfaces with MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER for 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, cars, trucks, 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, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

**Hatcheries:** Use MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER undiluted to treat the following hard nonporous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces wet for 10 minutes or more. Then allow to air dry.

**Vehicles:** Clean all vehicles including mats, crates, cabs and wheels with water and MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER. Use MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER undiluted to treat all vehicles. Leave all treated surfaces wet for 10 minutes or more. Wipe dry with a clean cloth or sponge or allow to air dry.

**Shoe Bath Disinfectant Directions:** To prevent cross contamination into animal areas, shoe baths containing one inch of product should be placed at all entrances to buildings and hatcheries. Scrape waterproof work boots and place in bath for 10 minutes prior to entering area. Change the bath daily or more often if solution appears diluted or soiled.

**Dressing Plant Disinfectant Directions:** Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all heavy soils prior to application. Saturate all surfaces with MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER. Scrub to loosen all soils. Surfaces must remain wet for 10 minutes, and then thoroughly rinsed with potable water before operations are resumed. Allow to air dry.

**MUSHROOM FARM PREMISE USE:**

**Site Preparation:** The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

**Cleaning and Disinfection:** For general cleaning and disinfection, apply MICROBAN PROFESSIONAL STRENGTH MULTI-PURPOSE ANTIBACTERIAL CLEANER with a cloth, mop, sponge, sprayer or by immersion to thoroughly wet the surfaces. Treated surfaces should be allowed to remain wet for 10 minutes.

Wipe or allow to air dry. For heavily soiled areas, preclean first. Use fresh product for each use or more often if product becomes visibly diluted, clouded or soiled.

**DO NOT APPLY USE-SOLUTION TO THE MUSHROOM CROP, COMPOST OR CASING.** Rinse treated surfaces with potable water before they contact the crop, compost or casing.

*(Note to Reviewer the following language will be used in containers containing a foam nozzle sprayer.)*

Foaming germicidal cleanser disinfects as it cleans hard non-porous surfaces.

**To clean:** Spray evenly over surface, allowing sufficient time for the foam to penetrate heavy soil deposits. Wipe off. Chrome fixtures may be rinsed for high shine.

**To disinfect:** Clean surfaces thoroughly as instructed above. Then apply a thin coat of foam, making sure to cover entire surface to be disinfected. Allow foam to remain for at least 10 minutes, then wipe off or allow to air dry.

11/11

*(Note to reviewer: If container is one gallon or less, the following Storage and Disposal statements will be used.)*

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Discard in trash or recycle.

*(Note to reviewer: If container is greater than one gallon, the following Storage and Disposal statements will be used.)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage**

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

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal**

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