

AUG 21 2002

Marc M. Mason
General Manager
Mason Chemical Company
721 W. Algonquin Road
Arlington Heights, IL 60005

Subject: Amendment per FIFRA
Maquat® 86-M
EPA Registration No. 10324-85
Application Dated: February 19, 2002
EPA Received Date: February 22, 2002

Dear Mr. Mason:

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments.

Proposed Amendment

- Add HBV and Penicillium variable
- Update Precautionary, Disposal Statements and First Aid

Label Comments

Page one:

1. Revise the Precautionary Statements by adding the statement "Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco."
2. Revise the "Container Disposal" statement by adding the statement "...or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke."
3. Revise the "IF ON SKIN" section of the First Aid Statements to read:
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

CONCURRENCES							
SYMBOL	7510C						
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DATE	8-21-02						

4. Revise the "IF IN EYES" section of the First Aid Statements to read:
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
5. Add the following statement to the First Aid Statements:
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Page three:

1. Revise to state "Kills *Trichophyton mentagrophytes* (the agent that causes Athlete's foot fungus) on bathroom surfaces."
2. Since your product only includes label directions for the following food processing surfaces: floors, walls, storage areas, countertops, appliances, and tables and you have not provided data to support food contact sanitization, revise the statement on page three to be in agreement with these surfaces to read "Processing facilities for fish, mild, citrus, fruit, vegetable, ice cream, potatoes, and tobacco."

Page four:

1. Revise the heading "**Disinfection, Virucidal and Fungicidal Control**" by adding an asterisk(*) after the term Virucidal.
2. Revise the section "**Disinfection, Virucidal* and Fungicidal Control**" by qualifying the use site "tile" to read "glazed tile."
3. Revise the "Fungicidal Against" section to read:
 Fungicidal against: *Candida albican* and *Trichopyton mentagrophytes* (the agent that causes athlete's foot fungus) on inanimate surfaces in locker rooms, dressing rooms and shower and bath areas and exercise facilities in the presence of 5% blood serum and 400 ppm water hardness as CaCO₃. Apply this product undiluted and follow the directions under "Disinfection, Virucidal* and Fungicidal Control."
4. Revise the "Virucidal Performance" heading by adding an asterisk(*) after the term Virucidal.

Page five:

1. Move the heading "**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 AND HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**" to be placed before the "Personal Protection" section of the HIV and HBV instructions.

Page six:

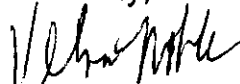
1. Revise all directions that contain the use site "tile" to read "*glazed tile*."

General Comments

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

Should you have any questions regarding this letter, please contact me at 703-308-6233.

Sincerely,



Velma Noble

Product Manager 31

Regulatory Management Branch I

Antimicrobials Division (7510 C)

[illegible]

This product contains no phosphorous.

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product maximizes labor results by effectively controlling odors.

This product is for use in kitchens, bathrooms, and other household areas.

When used as directed, this product 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. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

Cross contamination is of major housekeeping concern not only in hospitals, but also in schools, institutions and industry. This disinfectant has been formulated to aid in the reduction of cross-contamination on treated surfaces in these areas.

This product delivers non-acid disinfection performance in an economical (ready to use solution).

This product (formulation) is a one step (ready to use) (hospital use) disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will inhibit the growth of mold and mildew and their odors when used as directed.

This product is an economical (ready to use) solution that can be used with a mop and bucket, trigger sprayers, or sponge.

This product will not leave a grit or soap scum.

This product is a versatile disinfectant/sanitizer for Veterinarian, Animal Care and Agricultural applications.

This product is a complete, chemically balanced disinfectant that provides a clear solution.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors.

This product is recommended for use as a disinfectant on hard, nonporous surfaces. A potable water rinse is required after application on food contact surfaces.

This product is a broad spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

This product is a versatile cleaner, broad spectrum disinfectant formulated for use on bath and therapy equipment (Whirlpools).

Use this product to disinfect/sanitize non-porous salon/barber tools and instruments: combs, clippers, brushes, scissors, blades, and manicure/pedicure instruments

This product is a one step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1 & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

This product is a no rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

This product neutralizes musty odors and tough odors from smoke, pet accidents and spills on contact.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
AUG 21 2002
Under the Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.

This product is specially formulated to effectively eliminate offensive odors cause by mold and mildew.

This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.

This product is effective against household germs and odors by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

Use this product on the multi-touch surfaces responsible for cross-contamination.

This product is effective at controlling mold and mildew on shower curtains.

This product may be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents

This product cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

This product is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.

This product is for use in kitchens, bathrooms and other house hold areas.

This product is an effective one step (ready to use) sanitizer-cleaner for use on non-food contact surfaces.

This product is a multi surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non food contact glass surfaces.

Use this product to clean, sanitize and disinfectant 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 that would necessitate replacement.)

This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and green houses.

When used as directed, this product will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches and counter tops.

This product may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

This product may be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria 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.

Use this product to clean, disinfect and deodorize flower buckets, walls floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

This product may be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:

One step cleaner.

Cleans everyday kitchen messes.

Cleans non food contact kitchen surfaces and food preparation areas.

Cleans and shines.

Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes. Safe for most surfaces.

Safe for most surfaces. For a cleaner, fresher household. Removes stains. Removes dirt. Non-staining. Clear formula.

Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

Cleans everyday kitchen messes like dirt, grease and food stains. Cuts through tough grease and grime.

Escherichia coli (E. coli), *Salmonella choleraesuis* (Salmonella), and *Staphylococcus aureus* (Staph) are common germs found where food is prepared and stored. This product kills these germs and helps prevent the spread of food borne contamination on treated kitchen surfaces. A potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

Disinfects (and Sanitizes) kitchen surfaces (bathroom surfaces and floors). Sanitizes kitchen surfaces (bathroom surfaces and floors). Kills germs (and) (non-fresh foods) bacteria. A potable water rinse is required after application on food contact surfaces.

Antibacterial. Kills Athlete's Foot fungus on the bathroom.

Hospital use Disinfectant. Institutional Disinfectant (Sanitizer).

Kills common kitchen (bathroom) germs (and) (viruses) (and) (bacteria).

Effective sanitizer in the presence of 5% serum contamination.

Effective sanitizer in the presence of soils.

This product is recommended for Poultry Premise Sanitation (Hatcheries)

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is recommended for Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

Maquat 86-M for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, physician offices, operating rooms, isolation wards, and medical research facilities.
- Patient care rooms & facilities, recovery, anesthesia, Emergency Rooms, X-ray cat labs, newborn nurseries, orthopedics, whirlpools, footbaths, respiratory therapy,

surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms.

- EMS & fire facilities
- Day care centers and nurseries, sick rooms
- Acute care institutions, alternate care institutions, home healthcare institutions
- Life care retirement communities
- Restaurants, restaurants and bars, bars, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photo copy centers, bicycle shops, auto repair centers
- Computer manufacturing sites, toy factories
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores
- Crime scenes and funeral homes, mortuaries
- Police stations, courthouses, municipal government buildings, prisons, jails, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals.
- Public restrooms, travel rest areas, shower rooms, shower stalls, bathrooms
- Hotel, motels, dormitories
- Kitchens, bathrooms and other household areas.
- Institutions, schools and colleges, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, gyms, gymnasiums
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities
- Heath clubs, spas, tanning spas, tanning beds, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, tattoo parlors
- Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses
- Recycling centers
- Camp grounds, play grounds, recreational facilities, picnic facilities, sports arenas, sports complexes
- Food processing plants, USDA Inspected food-processing facilities, dairy farms, hog farms, equine farms, poultry and turkey farms and egg processing plants, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms
- Processing facilities for Fish, Milk, Citrus, Fruit, Vegetable, Ice Cream and Potatoes. Tobacco plant premise and equipment.
- Veterinary clinics, animal life science laboratories, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, tack shops and other animal care facilities.

- Household and automotive garages, boats, ships, campers, trailers, mobile homes, cars, trucks, buses, trains, taxis and airplanes.
- Cruise lines, airline terminals, airports, shipping terminals, public transportation
- Commercial florist and flower shops
- Basements, cellars, bedrooms, attics, living rooms, porches.

This product may be used on washable hard nonporous surfaces such as:

- Countertops, stovetops, sinks, and exterior surfaces of Slumpy[®] machines, appliances, refrigerators, ice machines.
- Glass, metal, stainless steel, glazed porcelain, glazed ceramic, fiberglass, granite, marble, plastic, chrome and vinyl.
- Enameled surfaces, painted woodwork, Formica, vinyl and plastic upholstery.
- Tables, chairs, desks, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps.
- Large inflatable nonporous plastic and rubber structures, animal promotional items, moonwalk, slides, obstacle course play and exercise equipment.
- Picnic tables and outdoor furniture.
- Telephones and telephone booths
- Highchairs
- Drinking fountains.
- Foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Commercial Florist and flower shops
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet bowl surfaces, urinals, portable toilets, porcelain tile and restroom fixtures.
- Kennels kennel runs, cages floors, conductive flooring.

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

10324-85

AUG 21 2002

ACCEPTED
EPA COMMENTS

This product meets AOAC Use - Dilution Test Standards for hospital disinfectants at 400 ppm water hardness.

This product meets AOAC efficacy standards for hard surface non-food contact sanitizers.

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Hepatitis B Virus

For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

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

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

(Or use the following language if not used on medical devices or medical equipment)

Not for use on medical devices or medical equipment surfaces

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

Disinfection, Virucidal and Fungicidal Control

This is a proven one-step disinfectant, cleaner, sanitizer, fungicide, mildewstat, virucide* which is effective in the presence of 5% serum contamination and in water up to 400 ppm hardness.

Apply this product undiluted to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, glazed porcelain and bed frames with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. If mechanical spray device is used, spray should be coarse. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. Rinse with potable water after use on surfaces that come in contact with food.

For heavily soiled areas, a preliminary cleaning is required. To disinfect hard non-porous surfaces, treated surfaces must remain wet for 10 minutes. Then wipe excess with sponge, mop or cloth or allow to air dry.

This product is Bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against:

Brevibacterium ammoniagenes
Campylobacter jejuni
Corynebacterium ammoniagenes
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium (Vancomycin resistant)
Escherichia coli
Escherichia coli (Antibiotic resistant)
Escherichia coli 0157:H7
Klebsiella pneumoniae
Klebsiella pneumoniae (Antibiotic resistant)
Listeria monocytogenes
Proteus mirabilis

Proteus vulgaris
Pseudomonas aeruginosa
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella choleraesuis
Salmonella typhi
Serratia marcescens
Shigella dysenteriae
Shigella flexneri
Shigella sonnei
Staphylococcus aureus
Staphylococcus aureus (Methicillin resistant) (MRSA)
Staphylococcus epidermidis (antibiotic resistant)
Streptococcus pyogenes

Fungicidal against:

Trichophyton mentagrophytes

Candida albicans

Virucidal Performance: This product was evaluated and found to be effective in the presence of 5% serum and 400 ppm hard water against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a preliminary cleaning is required.

Avian Influenza A/Turkey/Wisconsin
Canine Distemper
Herpes Simplex Type1
Herpes Simplex Type2
HIV-1 (AIDS virus)
Influenza A/Brazil Virus
Infectious Bovine Rhinotracheitis virus (IBR)

Newcastle disease virus
Porcine Respiratory & Reproductive Virus (PRRSV)
Porcine Rotavirus
Pseudorabies virus
Transmissible Gastroenteritis (TGE)
Vaccinia virus

Hepatitis B Virus: In the presence of 400 ppm hard water (CaCO₃) and 100% serum this product was proven to be effective against Hepatitis B Virus with a contact time of 10 minutes.

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

***KILLS HIV AND HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care setting or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with 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).

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-1 must be thoroughly cleaned from surfaces and objects before application of this product

DISPOSAL OF INFECTIOUS MATERIALS: Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

CONTACT TIME: Leave surface wet for 2 minutes with undiluted solution. This contact time will not control other common type of viruses and bacteria listed on this label. To be effective against Hepatitis B virus a 10 minute contact time is required.

Mold and Mildew Control Directions:

This product will effectively inhibit the growth of mold and mildew (*Aspergillus niger*) and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappear.

Sanitizing Non-Food Contact Surface Directions:

This product is an effective sanitizer on hard nonporous environmental surfaces. Treated surfaces must remain wet for 5 minutes. Allow to air dry.

Staphylococcus aureus

Klebsiella pneumoniae

Disinfection and Cleaning Toilet Bowls and Urinals:

1. With a swab mop applicator, remove water from bowl by flushing out trap. Preliminary cleaning is required for heavily soiled surfaces.
2. Press swab mop against side of bowl to remove excess water from applicator.
3. Apply 1-2 oz. Of this product evenly onto surface to be cleaned and disinfected.
4. Swab entire surface area especially under the rim where outlets are located.
5. Allow this product to remain wet on surfaces at least 10 minutes.
6. Flush toilet and rinse applicator thoroughly.

Cleaning/Deodorizing Directions:

Apply undiluted solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. If mechanical spray device is used, spray should be coarse. Allow to air dry or wipe up excess liquid.

Disinfection/Virucide for Barber/Salon Tools Directions: Immerse precleaned barber/salon tools (such as combs, brushes, razors manicure/pedicure tools, clippers and scissors) in undiluted solution. Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Fresh solution should be prepared at least daily or more often if solution becomes cloudy or soiled.

POULTRY (AND SWINE) PREMISE SANITATION

The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

**APPLICATIONS AND USE DILUTION
POULTRY (and SWINE) PREMISE**

Remove all animals and feeds from premises, trucks, cars, 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. Saturate surfaces with undiluted 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 all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which may contact food or water with soap or detergent, and rinse with potable water before reuse. 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.

HATCHERIES: Use this product undiluted to treat the following hard non-porous surfaces: 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. Rinse with potable water before reuse. Then allow to air dry.

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and this product. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. For sprayer applications use a coarse spray device.

SHOE BATH SANITIZER: Shoe baths containing one inch of freshly made undiluted solution should be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in solution for 5 minutes prior to entering area. Change the sanitizing solution in the bath daily or sooner if solution appears dirty.

DRESSING PLANT USE: 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 gross soils. Saturate all surfaces with undiluted solution. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

VETERINARY PRACTICE/ANIMAL CARE ANIMAL LABORATORY/ZOOS/PET SHOP/KENNELS/TACK SHOPS DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals' feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted product and allow to remain wet for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed set or dried.

FARM PREMISE USE:

ACCEPTED
COMMENTS
EPA Letter dated
AUG 21 2002

Under Federal Insecticide
Fungicide and Rodenticide
Act, this pesticide
amended, for the pesticide,
registered under EPA Reg. No.
10324-85

Do not use in milking stalls, milking parlors or milk houses. 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 transversed 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 undiluted product and allow to remain wet 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 in 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, managers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

ULTRASONIC BATH DISINFECTANT DIRECTIONS:

Use this product to disinfectant hard non-porous noncritical objects compatible with Ultrasonic cleaning units.

Pour fresh undiluted solution directly into bath chamber. Preclean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufactures directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

DISINFECTION OF HARD NON-POROUS SURFACES IN WHIRLPOOL UNITS: After using the whirlpool unit, drain all water from unit. Apply this product undiluted. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

For Disinfecting Hard Nonporous Fiberglass Bath and Therapy Equipment: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the whirlpool unit, drain the water from the unit. Apply this product undiluted. Wash down the unit sides, seat of the chair lift, and any/all related equipment with a clean swab, brush or sponge. Product to surface contact time must be at least 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain any solution from the unit and rinse any/all cleaned surfaces with fresh water. The unit is ready for reuse.

COMMERCIAL FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard non-porous surfaces in one step remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply undiluted 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. Allow to air dry. Prepare a fresh solution at least daily or when use solution becomes visibly soiled.

Efficacy tests have demonstrated that this product is an effective bactericide, virucide and fungicide in the presence of organic soil (5% blood serum).

DIRECTIONS FOR HOUSEHOLD USE

Kitchen/Bathroom/Household Cleaning

Apply this product undiluted with a cloth, sponge, mop or mechanical spray. If a mechanical spray is used spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not use on paint or

acrylic plastics. Wipe the soiled area clean. This product is not to be used on mirrors, glasses or eating utensils.

Disinfect/Deodorize

To disinfect hard, nonporous surfaces such as floors, walls, counters, sinks, tubs, toilets, tile, appliances, refrigerator or freezer exteriors, microwave exteriors, stove tops and hoods, tables, garbage pails, faucets apply as is with cloth, sponge, mop or mechanical spray. If a mechanical spray is used, spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Treated surface must remain wet for 10 minutes before wiping. For heavily soiled areas a pre-cleaning step is required. The pre-clean step should be done according to the instructions under Kitchen/Bathroom/Household Cleaning. Rinse with potable water after use on surfaces that come in contact with food.

For Odors Caused by Dogs, Cats and Other Domestic Animals: Use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "Disinfect/Deodorize".

Fungicidal Activity

This product is effective against *Trichophyton mentagrophytes* (athlete's foot fungus) *Candida albican* on inanimate surfaces in locker rooms, dressing rooms and shower and bath areas and exercise facilities in the presence of 5% blood serum and 400 ppm water hardness as CaCO_3 . Apply this product undiluted and follow the directions under "Disinfection, Virucidal and Fungicidal Control".

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS

Preclean soiled instruments and tools. Completely immerse water safe nonporous instruments and tools in undiluted solution of this product for at least 5 minutes. Rinse thoroughly and dry before use. Prepare a fresh solution at least 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.

To Disinfect Food-Processing and Tobacco Premise: (floors, walls and storage areas). For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications use a coarse spray device. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, use a coarse mist or spray. Before using this product, food products and packaging materials must be removed from area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect food service establishment food contact surfaces: (countertops, appliances, tables). Before using this product, food products and packaging materials must be removed from area or carefully protected. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications use a coarse spray device. Allow to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product is not for use on dishes, glassware or eating utensils.

Cleansing of Body Surfaces and Body Orifices of Human Remains. To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and

bloodstains, and to remove and reduce surface contamination, apply this product undiluted to the surfaces and body openings, natural or artificial. Allow a 10 minute contact time for optimal results. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Prepare a fresh solution for application of each remains

To control the growth of mold and mildew on large inflatable nonporous plastic and rubber structures (animals, promotional items, moonwalk, slides, obstacle course play and exercise equipment). Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 21 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10324-85