

10324-85

UNITED

STATES ENVIRONMENTAL PROTECTION AGENCY

09/03/2003

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SEP 3 - 2003

Elizabeth Tannehill
Regulatory Manager
Mason Chemical Company
721 W. Algonquin Rd.
Arlington Heights, IL 60005


SUBJECT: Maquat 86-M
EPA Registration Number: 10324-85
Your Notification Dated: August 4, 2003
EPA Received Date: August 5, 2003

Dear Ms. Tannehill:

This letter is to acknowledge receipt of your notification for the above noted product to add the qualifier "duck" to the claims for Hepatitis B Virus on pages 4 and 5. This language is acceptable although not required by the Agency. This notification will be made part of the record for this file.

No other changes to this label have been reviewed in conjunction with this notification. This notification approves only the change indicated above. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

7510C:T.Lantz:8/27/03:10324-85duck

CONCURRENCES

SYMBOL	7510C							
SURNAME	S. Lantz							
DATE	8/27/03							



Please read instructions on reverse before completing.

orm.

Form Approved.

EPA No. 2070-0060, Approval expires 2-28-95

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United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat 86-M	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Adding the word "(Duck)" in front of references to HBV (on page 4) in order to specify virus used for testing per request from CA DPR.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 pt., 1 qt., 1 gal., 5 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Elizabeth Tannehill		Title Regulatory Manager		Telephone No. (Include Area Code) 847-290-1621	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager			
4. Typed Name Elizabeth Tannehill		5. Date 08/04/03			

Key Label

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

(If container is 5 gallons or larger the following statement must appear on the label)

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents

(If the container is greater than one gallon use the following storage and disposal statements)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or 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 (Larger than 1 gal.) – 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.

(If container is one gallon or less use the following storage and disposal statements)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

(Storage and Disposal for Households)

STORAGE AND DISPOSAL

MAQUAT[®] 86-M

Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (nonfood contact surfaces) Virucide*, Deodorizer for Hospitals Nursing Home, Whirlpool, Home, Institutional, Industrial, School, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment. Effective in hard water up to 400 ppm hardness (Calculated as CaCO₃) in the presence of 5% serum contamination.

Non-Acid Bathroom Cleaner

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride.....	0.026%
Didecyl Dimethyl Ammonium Chloride.....	0.013%
Diocetyl Dimethyl Ammonium Chloride.....	0.013%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride.....	0.034%

INERT INGREDIENTS:.....99.914%

TOTAL.....100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See left panel for additional precautionary statements

First Aid

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

IF ON SKIN: 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.

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.

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.

MASON CHEMICAL COMPANY

"THE QUATERNARY SPECIALISTS"

721 W. Algonquin Road
Arlington Heights, IL 60005

847-290-1621

Toll Free:
1-800-362-1855

E.P.A. Reg. No. 10324-85

E.P.A. Est. No. 10324-IL-1

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.

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 grim.

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. Kills household bacteria. A potable water rinse is required after application on food contact surfaces.

Antibacterial. Kills Trichophyton mentagrophytes (the agent that causes Athlete's Foot fungus) on bathroom surfaces.

Hospital use Disinfectant. Institutional Disinfectant (Sanitizer).

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

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, Potatoes and tobacco.

- 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 Slurpy[®] 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: animals, 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.

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 (Duck) 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, glazed 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:

<i>Brevibacterium ammoniagenes</i>	<i>Proteus vulgaris</i>
<i>Campylobacter jejuni</i>	<i>Pseudomonas aeruginosa</i>
<i>Corynebacterium ammoniagenes</i>	<i>Pseudomonas aeruginosa</i> (Antibiotic resistant)
<i>Enterobacter aerogenes</i>	<i>Salmonella choleraesuis</i>
<i>Enterobacter cloacae</i>	<i>Salmonella typhi</i>
<i>Enterococcus faecalis</i>	<i>Serratia marcescens</i>
<i>Enterococcus faecium</i> (Vancomycin resistant)	<i>Shigella dysenteriae</i>
<i>Escherichia coli</i>	<i>Shigella flexneri</i>
<i>Escherichia coli</i> (Antibiotic resistant)	<i>Shigella sonnei</i>
<i>Escherichia coli</i> 0157:H7	<i>Staphylococcus aureus</i>
<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i> (Methicillin resistant) (MRSA)
<i>Klebsiella pneumoniae</i> (Antibiotic resistant)	<i>Staphylococcus epidermidis</i> (antibiotic resistant)
<i>Listeria monocytogenes</i>	<i>Streptococcus pyogenes</i>
<i>Proteus mirabilis</i>	

Fungicidal against: *Candida albicans* and *Trichophyton 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".

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	Newcastle disease virus
Canine Distemper	Porcine Respiratory & Reproductive Virus (PRRSV)
Herpes Simplex Type 1	Porcine Rotavirus

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Herpes Simplex Type2
HIV-1 (AIDS virus)
Influenza A/Brazil Virus
Infectious Bovine Rhinotracheitis virus (IBR)

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 (Duck) Hepatitis B Virus with a contact time of 10 minutes.

***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).

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

PERSONAL PROTECTION: Clean up should always be done wearing protective latex gloves, gowns, masks and eye protection.

CLEANING PROCEDURE: Blood and other body fluids containing HIV-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 forcing 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 transversed 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:

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. Preclean 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 dirty.

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 directly on surface with a 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 dishware, 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.

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