

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:10324-
108

Date of Issuance:

DEC 20 2000

NOTICE OF PESTICIDE:

 X Registration
 Reregistration

(Under FIFRA, as amended)

Term of Issuance:

CONDITIONAL

Name of Pesticide Product:

Maquat 256 MN

Name and Address of Registrant (include ZIP Code):

Mason Chemical Company
721 Algonquin Road
Arlington Heights, IL 60005

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Add the phrase EPA Registration Number "EPA Reg. No. 10324-108".

Signature of Approving Official:

Velma Noble
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

DEC 20 2000

EPA Form 3670-6

CONCURRENCES

SYMBOL	7510C							
SURNAME	J. L. S.							
DATE	12/19/00							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

page 2
EPA Reg. No. 10324-108

3. The claims for HIV-1 are supported by MRID 44045801. Bring this section into agreement with the label for Reg. No. 10324-72 by revising the **Contact Time** section to read exactly as follows: "Leave surface wet for 10 minutes with ½ ounce per gallon (4 milliliters per liter) use solution." Delete the other statement in this section.

4. On page 3 delete the "Fungicidal" directions since you have not provided data to support this claim.

5. On page three, delete the following microorganisms from the label: Escherichia coli (Methicillin Resistant), Staphylococcus aureus (Cefazolin Resistant), Staphylococcus aureus (Gentamicin Resistant) and Staphylococcus aureus (Rifampin Sensitive). If you desire to add these to the label, validate that the microorganism tested was antibiotic resistant at the time of testing. Please call the Agency for further clarification.

6. Also on page three, revise Staphylococcus aureus (Trimeth/Sulfa Resistant) to read Staphylococcus aureus (Trimeth/Sulfa Sensitive) and revise Staphylococcus aureus (Tetracycline Resistant) to read Staphylococcus aureus (Tetracycline-Intermediate Resistant) and Staphylococcus aureus (Ciprofloxacin Resistant) to read Staphylococcus aureus (Ciprofloxacin Sensitive).

7. The product chemistry data submitted to satisfy registration requirements is acceptable, with the understanding that the final results of the one-year storage stability study and corrosion characteristics study will be submitted when completed.

8. Revise the "PRECAUTIONARY STATEMENTS" to agree with the "cite-all" method of support: Change the PRECAUTIONARY STATEMENTS to read as follows. "KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse."

9. In the "STORAGE AND DISPOSAL" section for containers larger than one gallon make the following changes. Directly under the "STORAGE AND DISPOSAL" heading place the statement "Do not contaminate water, food or feed by storage and disposal." Include a new section titled "PESTICIDE STORAGE" instead of "Storage Instructions".

CONCURRENCES			
SYMBOL	1	2	3
SURNAME	4	5	6
DATE	7	8	9

persons unfamiliar with its proper use." In the "Container Disposal" section delete the phrase "Do not reuse empty container." In the "STORAGE AND DISPOSAL" section for containers one gallon and smaller revise the include the statement "Wrap and discard in trash."

10. On page two make the following revisions in the left column:

- A. Revise to state: "...in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces."
- B. Delete the following statement which is too broad beginning: "All public places where cleanliness and bacterial control..." and ending "...and sanitary environment is important."
- C. Revise to state "Non Food Contact Glass, metal stainless steel..." and delete the porous surface "stone".
- D. Delete "computer keyboards".
- E. Identify as "refrigerator exteriors" and "freezer exteriors".
- F. Delete "baby toys," "drinking fountains," and "portable toilets."
- G. Specify "glazed tiles".

11. On page two make the following revisions in the right column:

- A. Revise to state "Maquat 256 MN cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label."
- B. Revise to state "Maquat 256 MN is an economical concentrate that can be used with a mop and bucket, trigger sprayers, or sponge." deleting "soaking".
- C. Revise to state "Maquat 256 MN is a neutral pH multi surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non food contact glass surfaces."
- D. Delete the following statement "Use Maquat 256 MN on multi-touch surfaces responsible for cross-contamination."

12. On page three make the following revisions in the right column:

- A. In the directions for sanitizing non-food contact surfaces add the statement "Allow to air dry."
- B. Add the following statement to the directions for use to control citrus canker: "After use, all surfaces which come in contact with food or crop must be rinsed with potable water." Add this statement prior to the instructions to rinse clothing and footwear.

13. On page four, revise concerns sections for use as a "Non-						
SYMBOL	Acid Toilet Bowl Disinfectant/Cleaner" as follows: revise the					
SURNAME	"from Use Solution" and "For Heavy Duty Use" to state "...under the.....					
DATE	"Use with a cloth, mop, sponge or sprayer, brush or swab thoroughly.....					

and allow to stand for..."

14. On page four make the following two revisions to the directions for shoe bath sanitizer: "Scrape *waterproof* shoes..." and revise the last statement in this section to state: "...solution in the bath daily or sooner if solution appears dirty."

15. Add the following to the directions for "Farm Premise Use": "Ventilate buildings, cars, trucks, boats..."

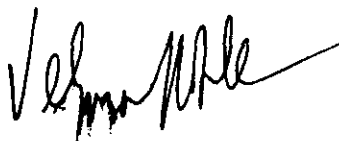
16. Add the following to the directions for "Ultrasonic Bath Disinfectant Directions": "...to disinfect hard non-porous *noncritical* objects compatible..."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Enclosure (stamped label)

7510C:T.Lantz:12/19/00:10324-108

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye and/or skin burns. Harmful if swallowed or absorbed through skin. Harmful if inhaled. Do not get into eyes, on skin or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves. Avoid breathing vapor (spray mist). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

(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.

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

STORAGE AND DISPOSAL

STORAGE INSTRUCTIONS: Do not contaminate water, food or feed by storage or disposal. 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.) – Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by 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. Discard in trash (or recycle).

MAQUAT 256 MN

Disinfectant, Cleaner, Mildewstat, Sanitizer (nonfood contact surfaces) Virucide*, Deodorizer for Hospitals, Institutional, Industrial and School Use and for Harvesting & Handling Equipment. Effective in hard water up to 400 ppm hardness (Calculated as CaCO_3) in the presence of 5% serum contamination.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride

Didecyl Dimethyl Ammonium Chloride

Diocetyl Dimethyl Ammonium Chloride

Alkyl (C_{14} , 50%; C_{12} , 40%; C_{16} , 10%)

dimethyl benzyl ammonium chloride

INERT INGREDIENTS:

TOTAL

KEEP OUT OF REACH OF CHILDREN DANGER

Statement of Practical Treatment

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.

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 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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

NET CONTENTS

BATCH NO 9-15-00



ACCEPTED
with COMMENTS
in EPA Reg. No. 10324-IL-1
DEC 20 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the Pesticide
100-0000000
registered under EPA Reg. No. 10324-IL-1

5/9

MAQUAT 256 MN is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling cross contamination from treated surfaces.

Maquat 256 MN for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.
- Day care centers and nurseries.
- Restaurants and bars, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and whole sale establishments, dressing rooms and laundries.
- Crime scenes and funeral homes.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals.
- Kitchens, bathrooms and other household areas.
- Institutions, schools and colleges, churches, classrooms, athletic facilities and locker rooms.
- Camp grounds, play grounds, and recreational facilities.
- Food processing plants, dairy farms, hog farms, poultry and turkey farms and egg processing plants.
- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.
- Household and automotive garages, boats, ships, campers, trailers, mobile homes, cars buses, trains, taxis and airplanes.
- All public places where cleanliness and bacterial control are vital aspects of a environmental sanitation program, and any commercial, industrial or institutional facility where a clean and sanitary environment is important.

MAQUAT 256 MN is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1) and inhibits the growth of mold and mildew and their odors when used as directed.

MAQUAT 256 MN when used as directed, is formulated to disinfect hard non-porous inanimate environmental surfaces such as:

- Glass, metal, stainless steel, glazed porcelain, glazed ceramic, fiberglass, stone, granite, marble, plastic, chrome and vinyl.
- Tables, chairs, desks, bed frames, walls, cabinets, doorknobs and garbage cans.
- Picnic tables and outdoor furniture.
- Telephones and computer keyboards.
- Non-food contact counter tops, sinks, refrigerators, coolers, freezers, stovetops, appliances, non-food contact equipment, shelves, racks and carts.
- Highchairs and baby toys
- Drinking fountains.
- Shower stalls, shower doors and curtains, tubs and walls, toilets, urinals, portable toilets, porcelain tile and restroom fixtures.
- Kennels and cages.
- Windows and mirrors.
- For larger areas such as operating rooms and patient care facilities this product is designed to provide both general cleaning and disinfection.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
DEC 20 2000
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide,
registered under EPA Reg. No.
10329-108

MAQUAT 256 MN is a no rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

When used as directed, MAQUAT 256 MN will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage area, and other places where bacterial growth can cause mal odors.

MAQUAT 256 MN is formulated to a neutral pH, yet provides effective cleaning strength that will not dull high gloss floor finishes with repeated use.

MAQUAT 256 MN cleans, shines, deodorizes and disinfects all hard non-porous household surfaces. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

MAQUAT 256 MN is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.

MAQUAT 256 MN is for use in kitchens, bathrooms and other house hold areas.

MAQUAT 256 MN is an economical concentrate that can be used with a mop and bucket, trigger sprayers, sponge or by soaking.

MAQUAT 256 MN is a neutral pH multi surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other glass surfaces.

MAQUAT 256 MN is an effective one step sanitizer-cleaner for use on non-food contact surfaces.

Use MAQUAT 256 MN on multi-touch surfaces responsible for cross-contamination.

MAQUAT 265 MN 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

MAQUAT 265 MN is recommended for Swine Premise Sanitation:

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

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)

PREPARATION OF USE SOLUTION:

For water hardness up to 400 ppm add ½ ounce per gallon (4 milliliters per liter) of water (1:256) to disinfect hard non-porous surfaces.

MAQUAT 265 MN is a Hospital Use Disinfectant at ½ ounce per gallon (4 milliliters per liter), (1:256 dilution), modified in the presence of 400 ppm hard water.

MAQUAT 265 MN is Bactericidal according to the AOAC Use Dilution Test method, Virucidal* according to the virucidal qualification on hard inanimate surfaces, modified in the presence of 5% organic serum against:

Brevibacterium ammoniagenes
Burkholderia cepacia
Campylobacter jejuni
Chlamydia psittaci
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecalis Multiple Drug Resistant
Enterococcus faecalis (Gentamycin Resistant)
Enterococcus faecalis (Streptomycin Sensitive)
Enterococcus faecalis (Vancomycin Resistant) (VRE)
Enterococcus faecalis (Ciprofloxacin Sensitive)
Enterococcus faecalis (Penicillin G Sensitive)
Enterococcus faecalis (Tetracycline Sensitive)
Enterococcus faecium (Vancomycin Resistant) (VRE)
Escherichia coli
Escherichia coli Antibiotic Resistant
Escherichia coli (Ampicillin Resistant)
Escherichia coli (Cephalothin Resistant)
Escherichia coli (Ciprofloxacin Resistant)
Escherichia coli (Gentamicin Resistant)
Escherichia coli (Mezlocillin Resistant)
Escherichia coli (Ticarcillin Resistant)
Escherichia coli (Tobramycin Resistant)
Escherichia coli (Trimeth-Sulfa Resistant)
Escherichia coli (Oxacillin Resistant)

Escherichia coli (Cefotaxime Sensitive)
Escherichia coli (Cefotetan Sensitive)
Escherichia coli (Ceftiozime Sensitive)
Escherichia coli 0157:H7

Klebsiella pneumoniae
Klebsiella pneumoniae Antibiotic Resistant
Klebsiella pneumoniae (Ampicillin Resistant)
Klebsiella pneumoniae (Cefotaxime-Intermediate Resistant)
Klebsiella pneumoniae (Ceftiozime-Intermediate Resistant)
Klebsiella pneumoniae (Cephalothin Resistant)
Klebsiella pneumoniae (Ciprofloxacin Resistant)
Klebsiella pneumoniae (Gentamicin Resistant)

Canine Distemper Virus
 Herpesvirus Type 1
 Herpesvirus Type 2
 HIV-1 (AIDS virus)

Aspergillus niger

Disinfection*/Virucidal/Fungicidal Directions:

Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist.

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 directions:

Add ½ ounce per gallon (4 milliliters per liter) of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use dilution becomes diluted or soiled.

Klebsiella pneumoniae (Mezlocillin Resistant)
Klebsiella pneumoniae (Ticarcillin Resistant)
Klebsiella pneumoniae (Tobramycin Resistant)

Klebsiella pneumoniae (Oxacillin Resistant)
Klebsiella pneumoniae (Cefotetan Sensitive)
Klebsiella pneumoniae (Trimeth-sulfa Sensitive)
Listeria monocytogenes
Proteus vulgaris
Pseudomonas aeruginosa
Salmonella choleraesuis
Salmonella schottim-vellari
Salmonella typhi
Salmonella typhimurium
Serratia marcescens
Shigella dysenteriae
Shigella flexneri
Shigella sonnei

Staphylococcus aureus
Staphylococcus aureus Multiple Drug Resistant
Staphylococcus aureus (Ampicillin Resistant)
Staphylococcus aureus (Cefotaxime Resistant)
Staphylococcus aureus (Cephalothin Resistant)
Staphylococcus aureus (Ciprofloxacin Resistant)
Staphylococcus aureus (Clindamycin Resistant)
Staphylococcus aureus (Erythromycin Resistant)

Staphylococcus aureus (Methicillin Resistant) (MRSA)
Staphylococcus aureus (Oxacillin Resistant)
Staphylococcus aureus (Penicillin G Resistant)
Staphylococcus aureus (Tetracycline Resistant)
Staphylococcus aureus (Trimeth/Sulfa Resistant)

Staphylococcus aureus (Vancomycin Sensitive)
Staphylococcus epidermidis
Streptococcus pyogenes

Influenza A/PR Virus
 Infectious Bovine Rhinotracheitis
 Pseudorabies Virus
 Vaccinia Virus

Mold and Mildew Control Directions:

Add ½ ounce per gallon (4 milliliters per liter) of water to control the growth of mold and mildew 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 reappears.

Sanitizing Non-Food Contact Surface Directions:

Add ½ ounce per gallon (4 milliliters per liter) of water to sanitize hard non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

This product is not for use to disinfect or clean eating utensils, glassware and dishes.

Citrus Canker Control

For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* (Citrus Canker) at 2000 ppm active quat. Treat all trucks, vehicles, and equipment thoroughly at a dilution ratio of 1:108 (2000 ppm active quat). Treatment can be applied to outer clothing, shoes, trucks, attached trailers, field harvesting equipment; including cargo area, wheels, tires, under carriage, hood, roof, fenders and any other part of transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using maximum rate 2000 ppm quat. Clothing should be either thoroughly rinsed or laundered before reuse. Footwear should be rinsed before reuse.

*** KILLS HIV 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 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 MAQUAT 265 MN.

CONTACT TIME: Leave surface wet for 2 minutes with ½ ounce per gallon (4 milliliters per liter) use solution. Use 10 minute contact time for disinfection against all other bacteria, viruses claimed.

DISPOSAL OF INFECTIOUS MATERIALS: cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

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

Non-Acid Toilet Bowl Disinfection/Cleaner Directions:

Remove gross filth prior to disinfection.

From concentrate:

Add ½ ounce (4 milliliters per liter) to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim; allow to stand for 10 minutes and flush.

From use solution:

Empty toilet bowl or urinal and apply ½ ounce per gallon (4 milliliters per liter) use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

For heavy duty use:

Empty toilet bowl or urinal and apply 2 ounces per gallon (16 milliliters per liter) use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

Cleaning/Deodorizing Directions:

Add 0.25 – 1 ounce per gallon (2-8 milliliters per liter) of water to clean windows, mirrors and glass surfaces.

Use a coarse spray device. Spray 6-8 inches from surface, rub with sponge or cloth. Do not breathe spray mist.

POULTRY (AND SWINE) PREMISE SANITATION

SITE PREPARATION

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.

CLEANING AND DISINFECTION

For all general cleaning and disinfection use 1/2 ounce of MAQUAT 265 MN per gallon of water. Apply MAQUAT 265 MN using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a precleaning step is required. Prepare a fresh solution after each use.

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. Use 1/2 ounce of MAQUAT 265 MN per gallon of water. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. 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 1/2 ounce of MAQUAT 265 MN per gallon of water to treat the following hard non-porous surfaces: hatches, 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 MAQUAT 265 MN. Use 1/2 ounce per gallon to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

SHOE BATH SANTIZINER: Shoe baths containing one inch of freshly made solution should be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape shoes and place in a ½ ounce of MAQUAT 265 MN per gallon (4 milliliters per liter) of water solution for 60 seconds prior to entering area. Change the disinfectant solution in the bath daily or when 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 the recommended use solution, 1/2 ounce of MAQUAT 265 MN per gallon of water, Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

SANITIZING HATCHERY ROOMS USING FOGGING DEVICES

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Close room off so fog is confined to room to be treated. Mix one part MAQUAT 265 MN to five parts water (1/2 MAQUAT 265 MN to 2.5 gallons water). Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. When fogging is completed ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water.

SANITIZING INCUBATORS AND HATCHERS USING FOGGING DEVICES

Mix 6 ounces of MAQUAT 265 MN to 122 ounces of water. Fog 3-8 ounces of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breath this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 1/2 ounce per gallon solution of MAQUAT 265 MN on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

Veterinary Practice/Animal Care Animal Laboratory. os/Pet Shop/Kennels
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 a use solutions of ½ ounce of MAQUA 256 MN per gallon of water (or equivalent dilution) 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 al surfaces with a use solution of ½ ounce of MAQUAT 256 MN per gallon of water (or equivalent dilution) 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, 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 MAQUAT 256 MN to disinfectant hard non-porous objects compatible with Ultrasonic cleaning units.

Pour fresh solution at ½ ounce of MAQUAT 256 MN per gallon of water (1:256) 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.

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

DEC 20 1988

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10324-108