

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 20 2006

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

Subject: Maquat 2420 TBD-9
EPA Registration No. 10324-158
Application Date: 5/24/05
Receipt Date: 06/03/05

Dear Ms. Tannehill:

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

- . Addition of Viruses
- . Addition of alternate formulas
- . Addition of marketing statement

PRODUCT CHEMISTRY

1. The submitted CSFs are acceptable.

EFFICACY

1. The additional data provided in MRIDs 467224-01, 467224-02 and 467224-03 shows that the product, Maquat 2420 TBD-9, is an effective disinfectant against the following microorganisms on hard, non-porous surfaces in the presence of 5% serum contamination for a contact time of 10 minutes:

Pseudomonas aeruginosa
Salmonella choleraesius
Staphylococcus aureus

The data that is provided, supports these claims.

2. The proposed label now claims that the product is effective as a disinfectant against CONCURRENCES Enterococcus faecalis (Vancomycin Resistant), Staphylococcus aureus MRSA,

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SURNAME	H. Jones					
DATE	4/20-06					

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Enterobacteriaceae (extended beta lactamase resistance), and Staphylococcus aureus-VISA. These claims are acceptable.


3. Make the following revisions to the label: On page 2 (left column; item 4) change “odor causing bacterial” to read “odor causing bacteria” and also on page 2, the following marketing claim is repeated twice: “Resists hard water build-up”. Please delete one.

GENERAL COMMENTS

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Zenobia Jones at (703) 308-6198.

Sincerely,



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

**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if absorbed through the skin or inhaled. Avoid breathing spray mist. Do not get into 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.

GENERAL PRECAUTION AND RESTRICTIONS: DO NOT MIX WITH CHLORINE, BLEACH, AMMONIA CLEANERS OR OTHER HOUSEHOLD CHEMICALS.

(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.

NEVER USE WITH CHLORINE PRODUCTS. Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave the area. Do not return for half an hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acidic materials. Many surfaces are not resistant to acid.

(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 by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration 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 near fire, heat, or in areas creating or impacting on side walls. Do not reuse empty container. Wrap and recycle.

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

MAQUAT 2420 TBD-9

Disinfects - Cleans - Deodorizes - *Virucidal
Acid Disinfectant Toilet Bowl Cleaner with Organic Soil Tolerance.
For Hospital, Institutional, Industrial, Commercial and Home Use.

Based on a Synergistic Combination of Quaternary Ammonium Compounds and an Acid Compatible Detergent System.
Removes Stains and Hard Water Deposits.
Safe for Septic Tanks.
Ready to Use.

ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride0.06%
Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%)
dimethyl benzyl ammonium chloride.....0.04%

INERT INGREDIENTS:99.90%
TOTAL.....100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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 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: Remove 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 further treatment advice.

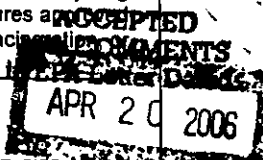
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**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. 10324-158
E.P.A. Est. No. 10324-IL-1



under the FIFRA Act as amended, for the pesticide, MAQUAT 2420 TBD-9 EPA Reg. No. 10324-158

NET CONTENTS

BATCH NO

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(Note to Reviewer: Text appearing in parenthesis or brackets is done to show optional text).

This product is an acid disinfectant bathroom toilet bowl cleaner, specially formulated to kill many germs commonly found in hospital and industrial environments. This product contains a high level of acid, together with an acid compatible detergent system, which facilitates the easy removal of resistant stains and permits disinfectant action.

When used as directed, this product cleans, disinfects and deodorizes in one easy step. Disinfects, cleans away hard stains and rust.

This bowl cleaner is an effective cleaner and disinfectant against odor causing bacterial. Is an effective general-purpose bowl cleaner and disinfectant against odor causing bacteria.

The cationic detergent system of this product inhibits the acid corrosion of metal parts found around toilets bowls and urinals.

Kills *Pseudomonas aeruginosa* (*Pseudomonas*) *Staphylococcus aureus* (Staph) and *Salmonella choleraesuis* (*Salmonella*).

Kills Hepatitis A and HIV (Associated with Aids)

Quickly eliminates rust, lime and uric acid deposits.

Will not harm bacterial action of septic tanks.

Efficacy tests have demonstrated it to be an effective one-step toilet bowl cleaner disinfectant in the presence of organic soil (5% blood serum).

With all the news about germs and bacteria, just looking clean isn't good enough. This product does it all – cleans, disinfectants and deodorizes, even under the rim.

Effective thick formula kills many germs and quickly eliminates toilet rings, hard water stains, mineral deposits and rust stains, plus leaves a light fresh scent. Will not harm plumbing and septic tanks.

Kills common household germs such as *Staphylococcus aureus* (Staph) *Salmonella choleraesuis* (*Salmonella*) and *Escherichia coli* (E. coli).

This product is a combination of effective cleaners plus antibacterial disinfectants, so you can be sure your bowl is completely clean.

This product is designed to clean, disinfect and deodorize toilet bowls and urinals.

When used as directed, this product exhibits effective disinfection against *Pseudomonas aeruginosa* (*Pseudomonas*) *Staphylococcus aureus* (Staph) and *Salmonella choleraesuis* (*Salmonella*) in addition to preventing odors caused by microorganisms.

Removes hard water stains.

Resists hard water build-up.

Removes lime deposits.

Leaves no streaks.

Whitens bowl.

Removes tough, stubborn stains.

Penetrates, breaks up and dissolves stains.

Removes bowl ring build up.

Freshens Toilet bowl.

Leaves a clean fresh scent.

Will not harm white colored bowls.

Repels dirt.

Absorbs odors.

Resists hard water build up.

Cleans off water spots.

Leaves surfaces nice and shiny.

Is non-caustic.

Dissolves stains.

Does not scratch surfaces.

Cleans entire bowl.

Clings to surfaces.

Leaves the whole bathroom smelling fresh and clean.

Leaves toilet bowl sparkling clean.

Combination of cleaning and freshening.

Is not hard to rinse.

Does not damage porcelain.

Cleans the stains you see and the germs you can't.

Dissolves tough dirt (stains).

Attacks grime and germs.

Eliminates tough grime (stains) and germs (bacteria).

Regular use of this product keeps toilet bowls sparkling white.

This product is excellent for brightening colored toilet bowls.

Dissolves porous lime deposits and urine stains.

When used as directed, this is a powerful cleaner, deodorizer and killer of dangerous (troublesome) bacteria.

Convenient ready-to-use formulation requires no pre-mixing (diluting).

Stops odors right at the source by killing odor causing bacteria.

This product is an effective germicide disinfectant, (containing 1000 ppm of active quaternary germicides making it) effective against a wide spectrum of microorganisms.

This product contains no phosphorous (Phosphate Free).

This product maximizes (improves) labor results by effectively controlling odors.

This product is a ready-to-use disinfectant that is effective against a broad spectrum of bacteria, is virucidal*, and eliminates odor causing bacteria when used as directed.

This product will not leave a grit or soap scum.

This product is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* and inhibits odors when used as directed.

Quaternaries are not volatile and do not evaporate from surfaces like iodine, chlorine and formaldehyde

This product destroys many odors as it disinfects.

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Effective disinfectant in the presence of 5% serum contamination

Maquat 2420 TBD-9 for use on toilets in:

Medical Facilities

Hospitals
Medical and dental offices and clinics
Medical research facilities
Recovery rooms
EMS & fire facilities
Home healthcare institutions
Laboratories

Nursing homes
Physician offices
Patient care rooms & facilities
Emergency Rooms
Day care centers and nurseries
Life care retirement communities

Food Processing/Handling/Distribution Facilities

USDA inspected food-processing facilities
Poultry and turkey farms
Restaurants
Cafeterias
Supermarkets
Food establishments
Donut shops
Pizza parlors

Farms (dairy, hog, equine)
Meat/poultry processing plants
Bars
Fast food operations
Convenience stores
Coffee shops
Bagel stores
Liquor stores

Government/Public Access Facilities

Prisons
Penitentiaries
Post offices
Bus stations
Transportation terminals
Trains
Cruise lines
Public transportation
Ships
Art galleries

Jails
Correctional institutions
Libraries
Train stations
Buses
Airplanes
Airline terminals
Automotive garages
Museums
Performance/theater centers

Industrial/Commercial Facilities

Factories
Public restrooms

Business and office buildings

Athletic/Recreational Facilities

Athletic facilities
Exercise rooms
Sports arenas,
Stadiums
Heath clubs
Travel rest areas
Mobile homes
Campgrounds
Picnic facilities

Locker rooms
Gyms, and gymnasiums
Sports complexes
Health spas
Public parks
Campers
Boats
Recreational facilities

Institutional Facilities

Dormitories
Colleges
Universities
Hotels and motels

Schools
Community colleges
Institutions
Churches

Retail Facilities

Retail and wholesale establishments
Shopping malls
Video stores
Laundry mats
Funeral homes

Department stores
Gift shops
Bookstores
Auto repair centers
Police stations

Courthouses
Banks
Bowling alleys
Hair/nail/pedicure salons
Tattoo parlors

Municipal government buildings
Movie houses
Massage/facial salons
Barber/beauty shops (salons)

Animal Care Facilities

Veterinary clinic
Pet shops

Zoos

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 for use on Medical device surfaces.

Do not use this product on sinks, bathtubs or any other surfaces except toilets and urinals.

(Or)

This product has been specially formulated for use only in the toilet bowl. It should not be used or placed on toilet bowl lids, (wood) toilet seats, vanities, sinks, bathtubs, cabinets, countertops or rugs. Clean spills immediately.

Use of this product (toilet bowl cleaner) on other than vitreous ware is done at user's risk.

(Note to Reviewer: Only one set of cleaning and disinfection instructions, whether for toilet or urinal, or combined, will be used per label. This section offers alternative language for the customer to use with their product.)

To open child resistant cap: (Use fingernail or coin to) Pull back and push down rearmost ridge of spout. Push spout down following use.

General Cleaning Toilet Bowl: Apply (Open cap) (Squeeze gently, directing) 1 to 2 ounces of bowl cleaner under the rim and on sides of bowl (inside only). Brush, clean and flush toilet. (Close cap). Rinse brush with clean water. Do not use on any other surfaces including toilet seat, toilet lid, countertops, tubs and sinks. To clean other acid resistant toilet bowls or urinals, dilute product with 3 parts water. Do not allow solution to remain on surfaces without immediately rinsing thoroughly with water.

(Or)

To Clean and Disinfect: Flush toilet and use toilet mop to push water from the bowl over the trap. Press swab mop against bowl to remove excess water then saturate mop with 1 to 2 ounces of this product while holding bottle and mop applicator over bowl. Swab bowl completely making sure to get under the rim. Let stand for 10 minutes then flush. Rinse applicator completely.

(Or)

To Disinfect Toilet Bowls: Remove water from bowl. Apply (Squeeze) 1 to 2 ounces of bowl cleaner onto bowl brush. Clean the entire unit especially under the rim at water outlets. Allow surface to remain wet 10 minutes. Flush and rinse out bowl brush with clean water. A preliminary cleaning step is required for the removal of heavy soil prior to disinfection.

(Or)

To Disinfectant Toilet Bowls: Flush to remove heavy soil. To clean, simply squirt one to two ounces of this product under the rim and around sides. Allow it to stand several minutes then scrub entire surface (especially under the rim) with a bowl (toilet) mop. Flush and rinse. To disinfect, use toilet (bowl) mop to push water from the bowl over the trap. Squirt at least two ounces of this product under the rim and around the sides. Allow solution to remain in the bowl for 10 minutes after scrubbing. Flush and rinse.

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(Or)

To Disinfectant Toilet Bowls:

1. Remove gross filth and heavy soil deposits.
2. With swab applicator, remove water from bowl by forcing water over the trap.
3. Press swab applicator against side of bowl to remove excess water.
4. Apply 1 to 2 ounces of this product to swab applicator, cloth, mop, sponge, or directly to surface.
5. Swab entire surface area, especially under the rim.
6. Allow entire surface to remain wet for ten (10) minutes.
7. Flush toilet and rinse swab applicator thoroughly.

(Or)

TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS: Remove gross filth prior to disinfection. Empty toilet bowl or urinal and apply solution of 1 to 2 ounces of this product to exposed surfaces including under the rim, with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush.

(Or)

To Clean and Disinfect Urinals: Flush to remove heavy soil. Remove screens and strainers. Then squirt one to two ounces of this product around edges and top. Allow to flow down over surfaces. Allow it to stand several minutes before scrubbing, then flush and rinse. To disinfect, allow solution to remain in urinal at least 10 minutes after scrubbing.

(Or)

To Disinfect Urinal:

1. Remove gross filth and heavy soil deposits.
2. Apply 1 to 2 ounces of this product directly to urinal surfaces including water outlets area for general cleaning.
3. Then pour an additional 1 ounce of product on applicator.
4. Clean entire unit, especially under rim at water outlets, with applicator.
5. Remove screen trap to deodorize drain and apply 1 ounce directly on edge and into drain.
6. Wait 10 minutes, flush and rinse applicator.

(OR)

To Remove Stubborn Stains (Urine stains), (porous Lime deposits) (or Scale) on Toilets: Apply 1 to 2 ounces of this product directly on stain. Let it remain at least 15 minutes. Scrub then flush. Repeat if necessary.

To Refill Product from Large Containers into Smaller Containers:

This product may be used to fill and refill clean, properly labeled application containers for use elsewhere within your facility.

1. Make sure the small ready-to-use container has been cleaned, dried and properly labeled. Also make sure other items (such as trigger spray tubes and heads, and funnels) are properly cleaned and dried.
2. To refill, simply pour (or pump product) from the larger container directly into the smaller, being careful not to spill any product.
3. Keep both containers sealed when not in use.

(Note to Reviewer: Only one of the following bacteria statements will be used per label along with the listed organisms, providing customers with alternate language for their labels.)

(Claims:)

Using EPA approved test methods for germicides (under Good Laboratory Practices (GLP), in 5% serum and a 10 minutes contact time this product kills the following:

(Or)

This product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous, inanimate surfaces, toilets and urinals, modified in the presence of 5% organic serum with a ten minute contact time against the following organisms:

(Or)

Effective against:

Escherichia coli
Enterococcus faecalis (Vancomycin Resistant)
Pseudomonas aeruginosa
Salmonella choleraesuis
Salmonella typhi
Staphylococcus aureus - MRSA

Serratia marcescens
Enterobacteriaceae (extended beta lactamase resistance)
Shigella dysenteriae
Staphylococcus aureus
Staphylococcus aureus - VISA

(Note to Reviewer: Only one of the following Virucidal performance statements will be used per label along with the listed organisms, providing customers with alternate language for their labels.)

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

(Or)

Virucidal* Performance: This product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard, non-porous environmental surfaces of toilets and urinals:

(Or)

This product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses:

(Or)

Effective Against:

Hepatitis A virus (HAV)
Herpes simplex virus type 1
Herpes simplex virus type 2

Human Immunodeficiency Virus type 1
Influenza A Virus
Rotavirus

***KILLS HIV ON PRECLEANED ENVIRONMENTAL TOILET BOWLS/URINALS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care setting or other settings in which there is an expected likelihood of soiling of inanimate toilet bowls/urinals with body fluids and in which the toilet bowls/urinals likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type I (HIV-1) (associated with AIDS).

"SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON TOILET BOWLS/URINALS SOILED WITH BLOOD/BODY FLUIDS."

Personal Protection: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, or eye coverings.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from toilet bowls and urinals before application of the disinfectant.

Disposal of Infectious Materials: Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Leave surface wet for 10 (ten) minutes with undiluted solution.

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REFILL CONTAINER LABEL TO BE USED WITH MASTER
CONTAINER LABEL FOR DISINFECTION

FOR DISINFECTION

MAQUAT 2420 TBD-9

E.P.A. Reg. No. 10324-158 E.P.A. Est. No. 10324-IL-1

NET CONTENTS:

ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride.....	0.06%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride.....	0.04%
INERT INGREDIENTS:	99.90%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE OUTER CONTAINER FOR PRECAUTIONARY STATEMENTS AND USE
DIRECTIONS.

DISPOSAL: Do not reuse container. Wrap and put in trash collection.

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