

10324-176

05/05/2009

1/8

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Elizabeth Tannehill  
Mason Chemical Company  
721 W. Algonquin Road  
Arlington Heights, Illinois 60005

MAY - 5 2009

Subject: **Maquat® 2420 TBD-20**  
EPA Registration No. 10324-176  
Application Date: November 19, 2008  
Receipt Date: December 03, 2008

Dear Ms. Tannehill:

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

**Proposed Amendment:**

- Chemistry Data
- Acute Toxicity Data
- Revise Label

**Toxicity Data**

The submitted acute oral toxicity study, MRID#47617401 has been found acceptable. This study has been categorized as toxicity category III. No changes are required in the Precautionary Statements at this time.

**Conditions:**

Revise the label as follows:

1. Reorder the First Aid Statement to reflect the most toxic to least toxic route of exposure as stated in PR Notice 2001-1:  
  
IF IN EYES  
IF ON SKIN OR CLOTHING  
IF SWALLOWED  
IF INHALED
2. You may not make claims that your product will control illness. Delete the reference to dangerous bacteria in right panel of page 3.
3. Revise the Disinfection/Virucidal Directions and the Cleaning Disinfection directions on page 4 to be in agreement with other directions for use on this label as follows: "Apply 1 to 2 ounces of (product name) per gallon of water..."

**CONCURRENCES**

SYMBOL	4... Change the instructions to disinfect toilet bowls to begin as follows: "A preliminary cleaning step is required for the removal of heavy soil to disinfection. Fill toilet bowl... brush with clean water."						
SURNAME							
DATE							

5. Change the instructions to clean and disinfect urinals to read as follows: "...To disinfect, *reapply* solution to remain in urinal at least 10 minutes after scrubbing."
6. Revise the front panel by changing "Safe for Septic Tanks" to read "will not harm Septic Tanks." The term "safe" is not acceptable on pesticide labels.
7. Since you have provided efficacy data in support of this product as a disinfectant as well as against viruses, your germ claim must be qualified. Place an asterisk (\*) next to the words germ and germicide (six instances) on page 3 and one instance on page 2. Place the qualifying asterisk on page 2 next to Disinfectant Performance and retain the asterisk next to virucidal performance. Please see the attached letter to CSPA dated January 5, 2005 for additional guidance.

**General Comments**

Please refer to the attached product chemistry review dated February 25, 2009 for guidance regarding the physical and chemical characteristics storage stability and corrosion characteristics study MRID#476174-02.

Should you have any questions concerning this letter, you may contact me by telephone at (703) 308-6415 or by e-mail at [lantz.tracy@epa.gov](mailto:lantz.tracy@epa.gov) or Stacey Grigsby by telephone at (703) 305-6440 or by email at [grigsby.stacey@epamail.epa.gov](mailto:grigsby.stacey@epamail.epa.gov) during the hours of 8:00 am to 4:00 pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,



Tracy Lantz  
 (Acting) Product Manager (34)  
 Regulatory Management Branch II  
 Antimicrobials Division (7510P)

Enclosure: Stamped Label  
 DER D359783  
 DER 359782  
 CSPA letter 1/5/05

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							



**MASON CHEMICAL COMPANY**

**"The Quaternary Specialists"**

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

E.P.A. Reg. No. 10324-176

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

**MAQUAT<sup>®</sup> 2420 TBD-20**

Net Contents:

Batch No:

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

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapor or spray mist. Do not get into eyes, on skin or on clothing. Wear goggles or face shield. Wear protective clothing: long sleeve shirt, coveralls, socks, chemically resistant footwear and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated 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, 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 or wash (or recycle).

MAY - 5 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 10324-176

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 Chloride.....	0.06%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%).....	
dimethyl benzyl ammonium chloride.....	0.0
Hydrogen Chloride.....	20.00%

**INERT INGREDIENTS:**..... 79.90%

**TOTAL**..... 100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**  
See left (back) (side) (right) panel (of label) (below) for additional  
precautionary and first aid statements

**FIRST AID**

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

**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 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.

**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 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 further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergency information on [product, use, etc.], call the **National Pesticides Information Center** at 1-800-858-7378, 6:30 am to 4:30 pm Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

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

(Note to Reviewer: This information has been verified per DOT regulations. It is NOT required to be on the label but is being requested by a customer.)

**TRANSPORTATION INFORMATION**

**DOT Hazard Class:** 8, Corrosive

**DOT Proper Shipping Name:** Disinfectant Liquid Corrosive (Quaternary Ammonium Compound), 8, UN1903, PGIII

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

3/8

(Note to reviewer: The Table of Contents will not be on any label. This is for our customer's reference only. The page numbers will change when the label changes.)

**Table of Contents**

Description	Page No.
Organism Guide	2
Marketing Claims	2
Disinfection	
General Bathroom	4
Toilet Bowls/Urinals	4
Hospital/Health Care	5

**ORGANISM GUIDE**

(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.)

**DISINFECTANT PERFORMANCE:** This product is bactericidal according to the AOAC Use Dilution Test method on hard, non-porous, inanimate surfaces against the following organisms:

<i>Escherichia coli</i>	<i>Serratia marcescens</i>
<i>Enterococcus faecalis</i> (Vancomycin Resistant)	<i>Enterobacteriaceae</i> (extended beta lactamase resistance)
<i>Pseudomonas aeruginosa</i>	<i>Shigella dysenteriae</i>
<i>Salmonella enterica</i>	<i>Staphylococcus aureus</i>
<i>Salmonella typhi</i>	<i>Staphylococcus aureus</i> - VISA
<i>Staphylococcus aureus</i> - MRSA	

**VRUCIDAL\* 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.

**EFFECTIVE AGAINST:**

<i>Hepatitis A virus (HAV)</i>	<i>Human Immunodeficiency Virus type 1</i>
<i>Herpes simplex virus type 1</i>	<i>Influenza A Virus</i>
<i>Herpes simplex virus type 2</i>	<i>Rotavirus</i>

**MARKETING CLAIMS**

Maquat 2420 TBD-20 for use on toilets in:

**Medical Facilities**

Hospitals	Nursing homes
Medical and dental offices and clinics	Physician offices
Medical research facilities	Patient care rooms & facilities
Recovery rooms	Emergency Rooms
EMS & fire facilities	Day care centers and nurseries
Home healthcare institutions	Life care retirement communities
Laboratories	

**Food Processing/Handling/Distribution Facilities**

USDA inspected food-processing facilities	Farms (dairy, hog, equine)
Poultry and turkey farms	Meat/poultry processing plants
Restaurants	Bars
Cafeterias	Fast food operations
Supermarkets	Convenience stores
Food establishments	Coffee shops
Donut shops	Bagel stores
Pizza parlors	Liquor stores

**Government/Public Access Facilities**

Prisons	Jails
Penitentiaries	Correctional institutions
Post offices	Libraries

Bus stations  
Transportation terminals  
Trains  
Cruise lines  
Public transportation  
Ships  
Art galleries

**Industrial/Commercial Facilities**

Factories  
Public restrooms

**Athletic/Recreational Facilities**

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

**Institutional Facilities**

Dormitories  
Colleges  
Universities  
Hotels and motels

**Retail Facilities**

Retail and wholesale establishments  
Shopping malls  
Video stores  
Laundry mats  
Funeral homes  
Courthouses  
Banks  
Bowling alleys  
Hair/nail/pedicure salons  
Tattoo parlors

**Animal Care Facilities**

Veterinary clinic  
Pet shops

Train stations  
Buses  
Airplanes  
Airline terminals  
Automotive garages  
Museums  
Performance/theater centers

Business and office buildings

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

Schools  
Community colleges  
Institutions  
Churches

Department stores  
Gift shops  
Bookstores  
Auto repair centers  
Police stations  
Municipal government buildings  
Movie houses  
Massage/facial salons  
Barber/beauty shops (salons)

Zoos

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAY - 5 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 10324-176

(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, especially 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.

S/h

Kills *Pseudomonas aeruginosa* (*Pseudomonas*) *Staphylococcus aureus* (Staph) and *Salmonella enterica* (*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 enterica* (*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 enterica* (*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 or colored bowls.

Repels dirt.

Absorbs odors.

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 concentrated 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.

Effective disinfectant in the presence of 5% serum contamination.

For use on surfaces in bathrooms and restrooms.

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.

This product is an industrial strength formula and provides effective control against a broad spectrum of bacteria.

Institutional (size) (use).

Developed (Formulated) (Designed) for (Institutional) (restroom) (bathroom) use.

Removes (tough) (stains) (soap scum).

Cleans the toughest (soap scum) (and grime).

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAY - 5 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 10324-176

Heavy duty formula.

Industrial strength formula (with acid).

### 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.

For all surfaces, test on a small area before use.

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

*(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 of 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 enterica*  
*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*

### DISINFECTANT

**DISINFECTANT\*/VIRUCIDAL DIRECTIONS:** Apply 1 to 2 ounces to hard inanimate, non-porous surfaces thoroughly wetting surfaces 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. Allow surfaces to remain wet for 10 minutes. Rub with brush, sponge or cloth. Do not breathe spray.

**CLEANING AND DISINFECTION:** For all general cleaning and disinfection, apply 1 to 2 ounces of this product using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a pre-cleaning step is required.

### GENERAL BATHROOM

**TO CLEAN/REMOVE SOAP SCUM:** Spray 1 to 2 ounces of (product name) onto soils and wipe clean (with a dry paper towel or lint-free cloth) – Or – Just spray on and wipe off (with a dry paper towel or lint-free cloth). No scrubbing or rinsing necessary. For best results, use a dry paper towel or lint-free cloth. Repeat for heavily soiled areas. For stubborn stains or heavily soiled areas or tougher jobs, allow product to penetrate (dirt and/or soap scum) before wiping. For best results, use regularly to prevent dirt and soap scum build up.

**TO CLEAN TOUGH STAINS:** Squeeze directly onto tough stains and/or surface, onto damp sponge. Rub (to wet all surfaces thoroughly). Rinse or wipe clean.

**TO OPEN CHILD RESISTANT CAP:** (Use fingernail or coin to) Pull back and push down rearmost ridge of spout. Push spout down following use.

#### NON-ACID TOILET BOWL (& URINAL) (& BATHROOM) DISINFECTANT/CLEANER DIRECTIONS

Remove gross filth prior to disinfection.

(Or)

**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:** A preliminary cleaning is required for the removal of heavy soil prior to disinfection. Fill toilet bowl with clean water. 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 under the rim. Let stand for 10 minutes then flush. Rinse applicator completely.

(Or)

**TO DISINFECT TOILET BOWLS:** Fill toilet bowl with clean water. 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 DISINFECT TOILET BOWLS:** Flush to remove heavy soil. To clean simply squirt one to two ounces of this product under the rim and around sides of bowl to stand several minutes then scrub entire surface (especially under the rim) with a bowl (toilet) mop. Flush and rinse. To disinfect, squirt at least two ounces of this product under the rim and around the sides. Scrub bowl with mop. Allow solution to remain in the bowl for 10 minutes after scrubbing. Flush and rinse.

(Or)

#### TO DISINFECT TOILET BOWLS:

1. Remove gross filth and heavy soil deposits.

ACCEPTED  
with C. Sides/ADWTS  
EPA Letter Dated:

MAY - 5 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 10324-175

2. Fill toilet bowl with clean water.
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 per 128 ounces of water to exposed surfaces including under the rim, with a cloth, mop, sponge or sprayer. Allow toilet bowl to fill with water. Brush or swab thoroughly and allow solution 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 per 128 ounces of water 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 per 128 ounces of water 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 DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS:** Swab area and remove gross filth and heavy soil. Apply 1-2 ounces of (product name) per gallon of water onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water.

**FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:**

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1-2 ounces per gallons of water to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

**Note:** Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

**HOSPITAL/HEALTH CARE**

**\*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 1 (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, and 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 1 to 2 ounces of undiluted solution.

**DIRECTIONS FOR ALTERNATE CONTAINERS**

**REFILLS**

**TO REFILL CONCENTRATE FROM LARGE CONTAINERS INTO SMALLER CONTAINERS:** This product may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

OR

**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.

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

MAY - 5 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 10324-176

7/8

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

FOR DISINFECTION

**MAQUAT 2420 TBD-20**

E.P.A. Reg. No. 10324-176 E.P.A. Est. No. 10324-IL-1

**NET CONTENTS:**

**ACTIVE INGREDIENTS:**

Didecyl Dimethyl Ammonium Chloride..... 0.06%  
Alkyl (C<sub>14</sub>, 50%; C<sub>12</sub>, 40%; C<sub>16</sub>, 10%)  
dimethyl benzyl ammonium chloride ..... 0.04%  
Hydrogen Chloride..... 20.00%

**INERT INGREDIENTS:** ..... 79.90%

**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.

**MASON CHEMICAL COMPANY  
"THE QUATERNARY SPECIALISTS"**

721 W. Algonquin Road  
Arlington Heights, IL 60005

847-290-1621

Toll Free:

1-800-362-1855



**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**MAY - 5 2009**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. *10324-176*