

JAN 17 1995

Mason Chemical Company  
 721 W. Algonquin Road  
 Arlington Heights, IL 60005

Attention: Marc M. Mason  
 General Manager

Subject: Maquat 64  
 EPA Registration No. 10324-59  
 MOU Compliance Amendment dated November 28, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, will be acceptable provided that you make the labeling changes listed below before you release the product for shipping bearing the amended label.

1. Under the Statement of Practical Treatment, remove egg whites and gelatin solution, revise statement to read "If swallowed, drink promptly a large quantity of water."
2. Under the heading "Disinfection", revise the statement ...hard inanimate surfaces..., to read, hard, non-porous, inanimate surfaces....
3. Revise disclaimer statement to conform with the wording in PR-Notice 94-4 to read "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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection".

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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A stamped copy of your labeling is enclosed for your records. Submit 5 copies of the final label prior to releasing the product for marketing.

If you have any questions concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely yours,

WCF

Walter C. Francis  
Acting Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

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**PRECAUTIONARY STATEMENTS**  
Hazard to Humans and Domestic Animals

**DANGER**

**KEEP OUT OF REACH OF CHILDREN. CORROSIVE.** Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Wash thoroughly with soap and water after handling. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

**STATEMENT OF PRACTICAL TREATMENT**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**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 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 detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

**Disinfection** - To disinfect hard inanimate surfaces (such as walls, floors, table tops) add 2 ozs. detergent/disinfectant per gallon of water. Apply solution with mop, cloth, sponge, or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry.

To disinfect toilet bowls, flush toilet, add 2 ozs. detergent/disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop making sure to get under the rim. Let stand for 10 minutes and flush.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**Mildewstat** - Controls the growth of mold and mildew on pre-cleaned hard non-porous surfaces (such as floors, walls, table tops) add 2 ozs. of this product per gallon of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

**Sanitization** - To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 ppm active quaternary solution by adding 2 ozs. to 5 1/2 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops) flood the area with 200 ppm solution or apply with a cloth or sponge making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200 ppm solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

**BEST AVAILABLE COPY**

**MAQUAT 64**

**detergent/disinfectant**

Cleaner	Disinfectant
Detergent	Fungicide (against
Deodorizer	Pathogenic fungi)
Sanitizer	Virucide*
Mildewstat (on hard inanimate surfaces)	

**ACTIVE INGREDIENTS:**

n-Alkyl (60%C <sub>14</sub> , 30%C <sub>16</sub> , 5%C <sub>12</sub> , 5%C <sub>18</sub> )	
dimethyl benzyl ammonium chloride	2.25%
n-Alkyl (68%C <sub>12</sub> , 32%C <sub>14</sub> ) dimethyl	
ethylbenzyl ammonium chloride	2.25%
INERT INGREDIENTS:	95.50%

TOTAL .....100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

See side panel for additional  
precautionary statements

E.P.A. Reg. No. 10324-59

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



**Mason Chemical**  
**Company**

"The Quaternary Specialists"  
721 W. ALGONQUIN ROAD  
ARLINGTON HEIGHTS, IL 60005  
708/290-1621  
TOLL FREE:  
1-800-362-1855

NET CONTENTS U.S. GALLONS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN 17 1995

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

10324-59

This product is a phosphate free detergent/disinfectant which provides effective disinfection, and sanitation. It has been designed specifically for hospitals, nursing home processing plants and other institutions where housekeeping is of prime importance in controlling cross contamination.

This product when diluted at the rate of 2 ounces per gallon of water is an effective disinfectant against *Pseudomonas aeruginosa* and meets all requirements for hospital use. When used formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, telephones and bed frames. For larger areas such as operating rooms, patient care facilities product is designed to provide both general cleaning and disinfecting.

In addition, this product deodorizes those areas which generally are hard to keep fresh smelling storage areas, empty garbage bins and cans, toilet bowls, and any other areas which are prone to microorganisms.

**Disinfection** - At 2 ounces per gallon dilution, this product exhibits effective disinfectant activity against:

*Pseudomonas aeruginosa* PRD-10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella* spp., *Shigella* spp., *Staphylococcus aureus*, *Enterobacter aerogenes*.

At this level the product is also fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes*.

**Virucidal\* Activity:** The product when used on environmental inanimate hard surfaces at 2 ozs. per gallon of water exhibits effective virucidal activity against Influenza A2 / Japan (representative of the Herpes simplex, Type 1 (causative agent of fever blisters), Adeno virus type 2 (causative agent of respiratory infections), and vaccinia virus (representative of the pox virus group).

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

At 2 ozs. per 1 gallon in the presence of 5% blood serum and 400 ppm of hardness for a 2 week period, Maquat 64 was found to be effective against HIV-1 (AIDS Virus).

\* SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGENTS ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

Effective against HIV on pre-cleaned environmental surfaces/objects previously soiled with blood or body fluids. Health care settings or other settings in which there is an expected likelihood of use of surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled fluids can be associated with the potential for transmission of human immunodeficiency virus (associated with AIDS).

**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 surfaces before application of the disinfectant.

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

**Contact Time:** Leave surfaces wet for 2 minutes. This contact time will not control other contaminants and bacteria.

**Mold and Mildewstat** - This product controls the growth of mold and mildew and the odors on non porous inanimate surfaces.

**Sanitization** - When used for sanitization of previously cleaned food equipment or food contact surfaces - to 200 ppm. At this level NO POTABLE WATER RINSE is required.

It is an effective sanitizer when diluted in water up to 250 ppm hardness (CaCO<sub>3</sub>).

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open containers are prohibited. Store only in original container. Do not reuse empty containers. Do not dispose of product under locked storage sufficient to make it inaccessible to children. Do not use 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 pesticides cannot be disposed of by use according to label instructions, contact your State or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL** - (Larger than 1 gal.) - Triple rinse (or equivalent) and then recycle for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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. (1 gal. and smaller). Do not reuse empty container. Wrap container and put in trash.