

10324-149

1-27-2006

4/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:
10324-149

Date of Issuance:
JAN 27 2006

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
Maquat TC76-80%

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. 10324-149".

Signature of Approving Official:

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

Date:

JAN 27 2006

EPA Form 8570-6

CONCURRENCES

SYMBOL	7510C						
SURNAME	J. Task						
DATE	1/27/06						

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

U.S. Government Printing Office: 1992 - 62D-088/40872

page 2
EPA Reg. No. 10324-149

3. Make the following revisions to the technical bulletin:

A. Revise page two to bring the bulletin into agreement with the toxicity data which was submitted in support of this product.

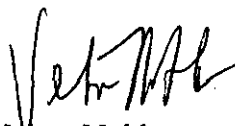
1. Revise to state: "Maquat TC76 products are *toxic* and cause severe skin and extreme eye irritation."
2. Revise to state: "...Use in well ventilated area. *Do not get in eyes or on skin.* Gloves, protective clothing, safety goggles and face shield *must* be worn when..."

4. Submit revisions to the data matrix for this product. Revise the product specific matrix to include MRIDs 46661201 and 46217306. Submit the internal and public file copies of these pages.

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 and the technical bulletin are enclosed for your records. Submit one (1) copy of the final printed label and bulletin along with the data matrix additions requested above 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,



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

Enclosure: stamped label and technical bulletin

7510C:T.Lantz:1/26/06:10324-149

CONCURRENCES

SYMBOL	CONCURRENCES						
SURNAME							
DATE							

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

DANGER. KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. Maybe fatal if swallowed, absorbed through skin, or inhaled. Do not breathe vapor or spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. 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 before reuse.

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 permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to 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 use or store near heat or open flame.
Do not mix with oxidizer, soap or other anionic materials.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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. Keep from freezing.

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.

SPILL OR LEAK PROCEDURES: Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.

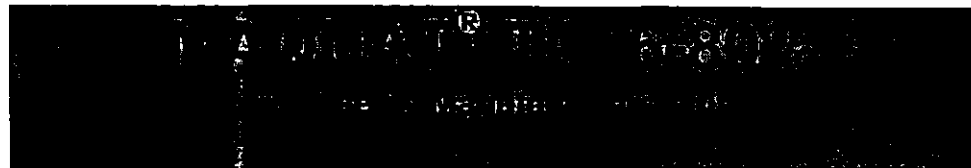
CONTAINER DISPOSAL: (Larger than 1 gal.) - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For formulation into antimicrobial products for use in air conditioner/refrigeration condensate water systems, air washer and industrial scrubbing systems, once-through and recirculating industrial/commercial cooling water systems, pulp/paper mill water systems, hot tubs, decorative fountains and swimming pools. Gas/oil drilling muds/packer fluids, meat processing plant/equipment, gas oil recovery injection water systems.

Formulators using this product are responsible for providing data for the EPA registration of their formulated products.



ACTIVE INGREDIENTS:

n-Alkyl (60%C₁₄,30%C₁₆,5%C₁₂,5%C₁₈)
dimethyl benzyl ammonium chloride..... 79.68%
n-Dialkyl (60%C₁₄,30%C₁₆,5%C₁₂,5%C₁₈)
methyl benzyl ammonium chloride.....0.32%

INERT INGREDIENTS:20.00%

TOTAL:100.00%

Weight Approx. 8 lbs./gal.



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: 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.

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

MASON CHEMICAL COMPANY ACCEPTED
"THE QUATERNARY SPECIALISTS" WITH COMMENTS
721 W. Algonquin Road
Arlington Heights, IL 60005
847-290-1621
Toll Free: 1-800-362-1855
EPA Letter Dated
JAN 27 2006

E.P.A. Reg. No. 10324-XXX Under the Federal Insecticide, and Rodenticide Act as amended, for the purpose of registration under FIFRA, No. 10324-149

NET CONTENTS

BATCH NO. 10324-149



CHEMICAL COMPANY

"The Quaternary Specialists"

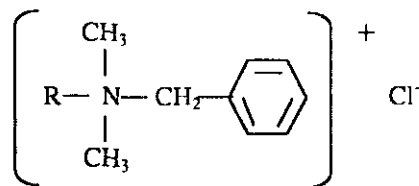
ACCEPTED
With COMMENTS
EPA Letter Dated:

JAN 27 1986

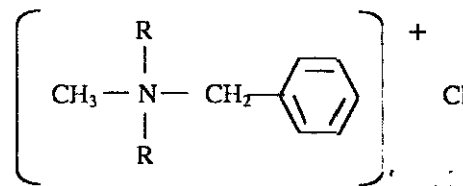
Under the Federal Insecticide,
Fungicide and Rodenticide Act as
amended for the pesticide,
Registered under EPA Reg. No.

MAQUAT[®] TC76 SERIES Information Sheet

10324-149



R = 60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈



R = 60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈

Chemical Description

n-Alkyl Dimethyl Benzyl Ammonium Chloride (53516-76-0) and
Dialkyl Methyl Benzyl Ammonium Chloride (68956-79-6)

U.S. EPA Registration Number

Maquat[®] TC76-50%
10324-1

Maquat[®] TC76-80%
10324- (TBA)

Canadian Registration Number

Maquat[®] TC76-50%
22179

Maquat[®] TC76-80%
N/A

Applications

The Maquat[®] TC76 products are used as an economical algaecide and slimicide, active for swimming pools and industrial water treatment where low cost is of primary consideration. At use dilution, the Maquat[®] TC76 products are compatible with all commonly used cooling water corrosion inhibitors and anti-scalants. Maquat[®] quats are compatible with cationics, nonionics and amphoterics at the proper pH range as well as alkaline and acid inorganics and most mineral and organic acids.

Active Ingredients

n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride
Dialkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) methyl benzyl ammonium chloride
Inert Ingredients
Total

Maquat[®]
TC76-50%

49.8%
0.2%
50.0%
100%

Maquat[®]
TC76-80%

79.68%
0.32%
20.00%
100.00%

Typical Properties

Appearance @25°C
Specific Gravity @25°C, g/ml (lbs/U.S.gal)
pH, 10% aqueous
Color, APHA
Free amine and amine hydrochloride, %
Average Molecular Weight
Flash Point, PMCC, °C (°F)

Clear liquid
0.95 (8.0)
7.5
150 max
1.0
380
>48.8 (120)

Clear liquid
0.9458 (7.8)
7.87
150 max
1.5
380
N/A

Toxicity

Maquat® TC76 products are slightly toxic orally and cause severe skin and extreme eye irritation.

Storage & Handling

Handle Maquat® products with care; use away from sparks and open flame. Use in well ventilated area. Avoid contact with eyes, nose or prolonged skin contact. Gloves, protective clothing, safety goggles and face shield should be worn when handling Maquat® products. Wash thoroughly after handling material.

Standard Packaging: Maquat® TC76 products are available in bulk quantities and in plastic drums (440 lb. for Maquat® TC76-50% and 425 lb. for Maquat® TC76-80%).

It is recommended that Maquat® products be stored in sealed containers and kept in a cool dry place. If material is frozen, it should be heated gently and stirred to ensure it is homogeneous before use. Maquat® products are not damaged by freezing.

Bulk Storage Information: Maquat® quaternaries can be stored in vessels of 316 stainless steel or fiberglass with a corrosion liner. Contact between quaternaries and anionic materials, soap and sulfated oils must be avoided. At use dilution, Maquat® quaternaries are non-corrosive to most plastics, natural rubber, stainless steel, monel metal, iron, brass, aluminum, lead and tin; however, Maquat® quaternaries, as supplied, may be corrosive to the materials listed above.

Maquat® products should be stored between 85 - 120°F. An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. On fiberglass tanks an external electric heating blanket can be used. Mild agitation is recommended while storing to maintain homogeneity. Pumps, pipes and transfer lines should be 316 stainless steel. Hoses made of Teflon or cross-linked polyethylene with 316 Stainless Steel fittings are recommended for loading and unloading.

Registration

In the U.S. and Canada all products used on inanimate surfaces, which are sold and claimed to be bacteriostatic, germicidal, algacidal or to kill or inhibit organisms in any way are required to be registered either with the U.S. Environmental Protection Agency or with Health Canada. Formulators are responsible for any additional data or fees which may be required by local, state or country agencies.

ACCEPTED
with COMMENTS
EPA Letter Dated:

JAN 27 2006

U.S. Federal Insecticide,
Fungicide and Rodenticide Act as
amended, for the products,
registered under EPA Reg. No.

10324-149

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.