

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 06 2000

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

ATTENTION: Marc M. Mason

SUBJECT: MAQUAT MC1416-255T
EPA Registration Number 10324-100
Your Amendment Dated: November 30, 1999
EPA Received Date: December 7, 1999

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3 (c) (7) (A), is acceptable provided that you:

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

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

A. The proposed product name "MAQUAT MC1416-255T" is acceptable.

B. The submitted CSF dated 11/12/99 is acceptable.

C. Revise the statement immediately following the Ingredients Statement to read:
"Product weights 8.3 lbs. per gallon."

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DATE	3/2/00						

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D. Revise the statement in the directions for cooling water towers, evaporative condensers and water cooling systems to read exactly as follows:

"For use in closed industrial (and/or commercial) recirculating cooling water towers, evaporative condensers and water cooling systems for thermal processing/pasteurizing operations within farms, soft drink and food canning plants to reduce the number of living algae, bacteria and fungi. Do not use in any system which may come in contact with food."

E. Delete the following statement in the directions for use in oil fields and petrochemical water subsurface injection systems: "A microbiocide".

F. Revise the "Use Limitations" statement in the directions for use in oil fields and petrochemical water subsurface injection systems to conclude with the following information: "as needed to maintain control."

G. Make the following revisions to the "Dosage Applications" section of the directions for use in oil fields and petrochemical water subsurface injection systems.

1) Slug Dosage: revise the maintenance dose to state: "...1.0 gallons (30 ppm active ingredient) of this product..."

2) Intermittent Dosage: revise the Initial Dose to conclude with the following statement: "Apply for 3 to 8 hours daily until control is achieved." Revise the Maintenance Dose to include the following: "...1.0 gallons (30 ppm active ingredient) of this product..." and conclude with the following statement: "...daily or as needed to maintain control."

3) Continuous Feed Dosage: revise the Maintenance Dose to include the following: "...0.5 gallons (15 ppm active ingredient) of this product..." and conclude with the following statement: "...daily or as needed to maintain control."

H. Add the following "Container Disposal" statement: "Paper Drums with Liners: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in same manner."

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3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

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

A stamped copy of the labeling is enclosed for your records. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin irritation. Harmful if swallowed or inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear protective eye wear (goggles, face shield or safety glasses). Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

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 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.

DIRECTIONS FOR USE

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

Industrial (and/or commercial) recirculating cooling water towers, evaporative condensers and water cooling systems for thermal processing/pasteurizing operations within dairies, farms, breweries, soft drink and food canning plants to reduce the number of living algae, bacteria and fungi

1. **DOSING LOCATION:** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.
2. **DOSING CONDITIONS:** This product should be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired.
3. **METHOD OF APPLICATIONS:**

a. **INTERMITTENT OR SLUG METHOD**

Initial Dose: When the system is noticeably fouled, apply 0.75 to 2.25 gallons of this product per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.05 to 0.90 gallons of this product per 1000 gallons of water in the system every 3 to 4 days or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

MAQUAT MC1416-255T

A microbiocide for use in industrial (and/or commercial) recirculating cooling water towers, evaporative condensers, water cooling systems and oil field/petrochemical water subsurface injection systems

ACTIVE INGREDIENTS:

N-Alkyl (C₁₂60%, C₁₆30%, C₁₂5%, C₁₈5%)2.5%
 dimethyl benzyl ammonium chloride
 Bis(tributyl tin) oxide.....0.5%

INERT INGREDIENTS: 97.0%

TOTAL: 100.0%

Contains 8.3 lbs of product per gallon

KEEP OUT OF REACH OF CHILDREN
DANGER

See left panel for additional precautionary statements

STATEMENT OF PRACTICAL TREATMENT

If on skin: Wash with plenty of soap and water. Get medical attention.
If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
If swallowed: Call a physician or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.
If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.

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. 10324-100
 E.P.A. Est. No. 10324-IL-1

b. **MODIFIED INTERMITTENT METHOD**

Initial Dose: When the system is noticeable fouled, apply 0.75 to 2.25 gallons of this product per 1000 gallons of water in the system. Apply half of this initial dose when half of the water in the system has been lost by blowdown.

Subsequent Dose: When control of microbial growth is evident, apply 0.05 to 0.90 gallons of this product per 1000 gallons of water in the system. Apply half of this subsequent dose when half of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

c. **CONTINUOUS FEED METHOD**

Initial dose: When the system is noticeably fouled, apply 0.75 gallons of this product per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 0.05 gallons of this product per 1000 gallons of water lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

DIRECTIONS FOR USE

A microbiocide for use in oil field and/or petrochemical water subsurface injection systems of secondary and/or tertiary oil recovery systems to reduce the number of anaerobic bacteria, aerobic bacteria, sulfate-reducing bacteria.

DOSING LOCATION(site of use): This product is to be applied at a point in the recovery system where it will be uniformly mixed, such as at the screens, storage tanks and other mixing device locations.

DOSING CONDITIONS: This product should be applied when the system is in jeopardy of being affected. Badly fouled systems must be cleaned before treatment is begun.

EQUIPMENT USED: Use the injection pump to apply the product.

USE LIMITATIONS: Dependent upon pH, temperature and salt content, adjust according to conditions found at the site.

DOSAGE APPLICATIONS:

a. **SLUG DOSAGE**

Initial Dose: When the system is noticeably fouled, apply 2.0 gallons (60 ppm active ingredient) of this product per 1000 gallons of water in the system. Apply for 3 to 8 hours daily until control is achieved.

Maintenance Dose: When microbial control is evident, add 1.0 gallons of this product per 1000 gallons of water in the system daily or as needed to maintain control.