

FIR # 10932-14 10/31

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

<b>(A)</b> 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460 <b>Application for Pesticide:</b>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <div style="font-size: 24pt; text-align: center;">189089</div>
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**Section I**

1. Company/Product Number 10932-14	2. EPA Product Manager Ms. Ruth Douglas	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Antimicrobial 7417	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Aqua-Serv Engineers, Inc. 13560 Colombard Court Fontana, CA 92337-7600 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____

**Section II**

<input type="checkbox"/> Amendment - Explain below  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____  <input type="checkbox"/> "Me Too" Application.  <input type="checkbox"/> Other - explain below.
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**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

The ENVIRONMENTAL HAZARDS statements have been revised as required by U.S. EPA PR Notice 93-10. A copy of the label is attached.

**Section III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted. If "Yes," Unit Package wgt.    No. per container		If "Yes," Package wgt.    No. per container			
<b>3. Location of Net Contents Information</b> <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		<b>4. Size(s) of Retail Container</b> 5 and 55 gallons		<b>5. Location of Label Directions</b> <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
<b>6. Manner In Which Label Is Affixed To Product</b> <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other (Contact adhesive)					

**Section IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
Name Pauline M.B. van der Meulen	Title Environmental Affairs Officer	Telephone No. (Include Area Code) (909) 681-9696

**Certification**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Environmental Affairs Officer	
4. Typed Name Pauline M.B. van der Meulen	5. Date October 30, 1995	

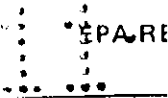
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**aqua-serv engineer**

13560 COLOMBARD COURT • FONTANA, CA 92337 •

EPA EST. NO. 10932-CA-1



*Controls bacteria, fungi,  
recirculating water cooling towers*

#### DIRECTIONS FOR USE

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

**NOTE:** ADD ANTIMICROBIAL 7417 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, TO AVOID DECOMPOSITION OF ANTIMICROBIAL 7417 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

#### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add ANTIMICROBIAL 7417 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blow down should be discontinued for 2.4-4.8 hours.

#### FOR CONTROL OF BACTERIA

Add 0.00095-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system, depending on the severity of contamination.

##### Intermittent or Slug Method

**Initial Dose:** When the system is noticeably fouled, add 0.0048-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.0024-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system every 4 days, or as needed to maintain control.

**Badly fouled systems** must be cleaned before treatment is begun.

##### Continuous Feed Method

**Initial Dose:** When the system is noticeably fouled, add 0.0048-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water to the system.

**Subsequent Dose:** Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal.

ANTIMICROBIAL 7417/1,000 gal. of water in the system per day.

**Badly fouled systems** must be cleaned before treatment is begun.

#### FOR CONTROL OF FUNGI AND ALGAE

Add 0.029-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system depending on the severity of contamination.

##### Intermittent or Slug Method

**Initial Dose:** When the system is noticeably fouled, add 0.0048-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.029-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system daily, or as needed to maintain control.

**Badly fouled systems** must be cleaned before treatment is begun.

##### Continuous Feed Method

**Initial Dose:** When the system is noticeably fouled, add 0.0048-0.0095 gal. ANTIMICROBIAL 7417/1,000 gal. of water to the system.

**Subsequent Dose:** Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system per day.

**Badly fouled system** must be cleaned before treatment is begun.

#### METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add ANTIMICROBIAL 7417 to the fluid in the collection tank. Additions should be made with a metering pump.

Initial or noticeably fouled systems must be cleaned before treatment is begun. Subsequent dose: When microbial control is evident, add 0.029-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system daily, or as needed to maintain control.

For the control of microbial growths in metalworking fluids, add ANTIMICROBIAL 7417 to the fluid in the collection tank.

Heavily fouled systems must be cleaned before treatment is begun. Moderate fouling can be controlled by a continuous feed of ANTIMICROBIAL 7417 to the fluid in the collection tank.

Slightly fouled systems can be controlled by a continuous feed of ANTIMICROBIAL 7417 to the fluid in the collection tank.

Initial or noticeably fouled systems must be cleaned before treatment is begun. Subsequent dose: When microbial control is evident, add 0.029-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system daily, or as needed to maintain control.

For the control of microbial growths in metalworking fluids, add ANTIMICROBIAL 7417 to the fluid in the collection tank.

Heavily fouled systems must be cleaned before treatment is begun. Moderate fouling can be controlled by a continuous feed of ANTIMICROBIAL 7417 to the fluid in the collection tank.

7417 ANTIMICROBIAL

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metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and algae in rough fresh and sea water industrial cooling water systems; controls slime-forming bacteria and fungi in air-washer systems

#### AIR-WASHER SYSTEMS

Add 0.0015-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems

##### Intermittent or Slug Method

**Initial Dose:** When the system is noticeably fouled, add 0.003-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.0015-0.047 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system every 2 days or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

##### Continuous Feed Method

**Initial Dose:** When the system is noticeably fouled, add 0.003-0.095 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system.

**Subsequent Dose:** Maintain this level by pumping a continuous feed of 0.0015-0.047 gal. ANTIMICROBIAL 7417/1,000 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

**Note:** For use only in industrial air-washer systems that maintain effective mist-eliminating components.

ACTIVE INGREDIENT	
2,2-Dibromo-3-nitropropionamide	20%
INERT INGREDIENTS	80%

**KEEP OUT OF  
REACH OF CHILDREN  
DANGER**  
SEE FIRST AID AND OTHER  
PRECAUTIONS ON SIDE PANEL

#### ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water-disposal systems, or other oil field water systems add 1-80 ppm ANTIMICROBIAL 7417 (0.1-6.4 gal. ANTIMICROBIAL 7417 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

##### Continuous Feed Method

When the system is noticeably fouled, add 10-80 ppm ANTIMICROBIAL 7417 (0.8-6.4 gal. ANTIMICROBIAL 7417 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm ANTIMICROBIAL 7417 (0.1-1.2 gal. ANTIMICROBIAL 7417 per 2400 barrels of water) continuously or as needed to maintain control.

##### Intermittent or Slug Method

When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm ANTIMICROBIAL 7417 (0.8-6.4 gal. ANTIMICROBIAL 7417 per 2400 barrels of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination.

Addition of ANTIMICROBIAL 7417 may be made at the free water knockouts, before or after the injection pumps and injection well headers.

**NOTE:** For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm ANTIMICROBIAL 7417 (1.2-6.4 gal. ANTIMICROBIAL 7417 per 2400 barrels of water). Additions of ANTIMICROBIAL 7417 should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

#### ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi, and algae in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add ANTIMICROBIAL 7417 to the system inlet water or before any other contaminated area in the system. Addition should be made with a metering pump; it may be continuous or intermittent depending on the severity of the contamination when treatment is begun, and the retention time of the system.

##### FOR CONTROL OF BACTERIA

Add 1-12 ppm ANTIMICROBIAL 7417 based on the flow rate through the system, depending on the severity of contamination.

##### Intermittent Method

**Initial Dose:** When the system is noticeably fouled, add 6-12 ppm ANTIMICROBIAL 7417. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 3-12 ppm ANTIMICROBIAL 7417 intermittently as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

##### Continuous Feed Method

**Initial Dose:** When the system is noticeably fouled, add 6-12 ppm ANTIMICROBIAL 7417 continuously to the system.

**Subsequent Dose:** When microbial control is evident, pump a continuous feed of 1-6 ppm ANTIMICROBIAL 7417 to the system.

Badly fouled systems must be cleaned before treatment is begun.

##### FOR CONTROL OF FUNGI AND ALGAE

Add 36-118 ppm ANTIMICROBIAL 7417 based on the flow rate through the system, depending on the severity of contamination.

##### Intermittent Method

**Initial Dose:** When the system is noticeably fouled, add 60-118 ppm ANTIMICROBIAL

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**lgae in industrial  
r-washer systems.**

7417 to the system. The minimum treatment interval should be 15 minutes. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 36-118 ppm ANTIMICROBIAL 7417 to the system daily or as needed to maintain control. The minimum treatment interval should be 15 min.

**Badly fouled** must be cleaned before treatment is begun.

**Continuous Feed Method**

**Initial Dose:** When the system is noticeably fouled, add 60-118 ppm ANTIMICROBIAL 7417 to the system.

**Subsequent Dose:** When microbial control is evident, pump a continuous feed of 36-118 ppm ANTIMICROBIAL 7417 to the system.

**Badly fouled systems** must be cleaned before treatment is begun.

**PRECAUTIONARY  
STATEMENTS**

**HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**DANGER:** CAUSES SEVERE BURNS OF EYES. CAUSES SKIN IRRITATION. HARMFUL IF SWALLOWED. Do Not Get in Eyes, on Skin, or Clothing. Wear Chemical Workers' Goggles when handling.

**FIRST AID:** In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. CALL A PHYSICIAN. Never give anything by mouth to an unconscious person.

**WASH THOROUGHLY AFTER HANDLING.**

**ENVIRONMENTAL HAZARDS:**

This product 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.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in sanitary landfill.

**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 your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** 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.

**PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

To maintain product quality, store at temperatures below 60 C. Keep container tightly closed when not in use. For industrial use only.

**lb. net**

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