

1706-188

6-28-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460



JUN 28 2001

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Claude H. Wolf, MSc.,
Corporate Toxicologist
ONDEO Nalco Company
ONDEO Nalco Center
Naperville, IL 60563-1198

Dear Dr. Wolf:

Subject: Label Amendment—Addition of Industrial Preservation Claim
H434 Microbiocide
EPA Registration No. 1706-188
Your Amendment Dated June 1, 2001

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 or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Since this is a new use for this product, you must submit an Offer-To-Pay statement (EPA Form 8570-4).
3. First Aid Statement must be revised in accordance with PR Notice 2001-1.

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> - 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. - Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> - 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 SWALLOWED	<ul style="list-style-type: none"> - 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 by a Poison Control Center or doctor. - Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
1.	"In case of emergency call toll free (registrant fill in the number)."
2.	"Have the product container or label with you when calling a poison control center or doctor or going for treatment."
NOTE TO PHYSICIAN	
"Probable mucosal damage may contraindicate the use of gastric lavage."	

Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 is enclosed for your records.

If you have any question concerning this letter, please contact Renae Whitaker at (703) 308-7003.

Sincerely,



Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510C)

Enclosure

H-434 Microbiocide

[NOT FOR USE IN ELECTRODEPOSITION SYSTEMS IN THE STATE OF CALIFORNIA]

CONTROLS BACTERIA, FUNGI, AND YEASTS IN PAPER MILLS AND METALWORKING FLUIDS CONTAINING WATER ~~AND TO REDUCE MICROBIOLOGICAL CONTAMINATION IN INDUSTRIAL PRESERVATION APPLICATIONS IN FLUIDS, BOTH RAW MATERIALS AND PRODUCTS~~; CONTROLS BACTERIA, FUNGI, AND ALGAE IN RECIRCULATING WATER COOLING TOWERS AND IN ONCE-THROUGH FRESH AND SEA WATER INDUSTRIAL COOLING WATER SYSTEMS; REVERSE OSMOSIS SYSTEMS; CONTROLS SLIME-FORMING BACTERIA AND FUNGI IN AIR-WASHER SYSTEMS; AND CONTROLS THE GROWTH OF MICROORGANISMS IN EMULSIONS, COATINGS, WAXES, POLISHES, SIZINGS, CAULK, ADHESIVES, PIGMENT SLURRIES, ELECTRODEPOSITION SYSTEMS

NOTICE: DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS OR CLOTHING. FOR INDUSTRIAL USE ONLY.

WASH THOROUGHLY AFTER HANDLING

ACTIVE INGREDIENT:	
2,2-Dibromo-3-nitropropionamide	20 %
INERT INGREDIENTS	80 %
TOTAL	100 %

KEEP OUT OF REACH OF CHILDREN
DANGER

EPA Registration No.1706-188

EPA Establishment No. 10445-PA-01

ACCEPTED
with COMMENTS
in EPA Letter Dated:
JUN 28 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1706-188

ONDEO Nalco Company
ONDEO Nalco Center
NAPERVILLE, IL 60563-1198

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

DANGER:

CAUSES SEVERE BURNS OF EYES.
EYE CONTACT MAY CAUSE LOSS OF VISION.
MAY BURN THE SKIN.
MAY BE HARMFUL OR FATAL IF SWALLOWED.

Do not get in eyes, on skin or clothing.
Chemical worker's goggles must be worn when handling.

STATEMENT OF PRACTICAL TREATMENT (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, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

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 - To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in 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

Do not reuse empty container. 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.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 4.9 - 9.7 fluid oz.

H-434/1,000 gal. of water to the system (48 - 94 ppm H-434).

Subsequent Dose: Maintain this level by pumping a continuous feed of 2.9 - 9.7 fluid oz. H-434/1,000 gal. of water to the system (29 - 94 ppm H-434).

Badly fouled systems should be cleaned before treatment is begun.

AIR WASHER SYSTEMS

Add 0.2 - 6.4 fluid oz. H-434/1,000 gal. of water to the system, depending upon the severity of the contamination to control slime-forming bacteria and fungi in industrial air washer systems (2 - 62 ppm H-434).

Intermittent or Slug Method

Initial Dose: When the system is noticeably fouled, add 4 - 6.4 fluid oz.

H-434/1,000 gal. of water to the system (39 - 62 ppm H-434). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.2 - 3.2 fluid oz.

H-434/1,000 gal. of water to the system every 2 days or as needed to maintain control (2 - 31 ppm H-434).

Badly fouled systems should be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 4 - 6.4 fluid oz.

H-434/1,000 of water to the system (39 - 62 ppm H-434).

Subsequent Dose: Maintain treatment by adding 0.2 - 3.2 fluid oz. H-434/1,000 gal. of make-up water to the system (2 - 31 ppm H-434).

Badly fouled systems should be cleaned before treatment is begun.

NOTE: For use only in industrial water systems that maintain effective mist eliminating components.

PAPER MILLS

For control of bacteria, fungal, and yeast growth in pulp, paper and paperboard mills, add H-434 at the rate of 0.15 - 0.50 lb./ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of H-434 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white water tanks.

Heavily fouled systems should be boiled out, then treated with 0.15 - 0.35 lbs.

H-434/ton of paper (dry basis) as necessary for control. Moderately fouled systems should be treated continuously with 0.35 - 0.50 lbs. H-434/ton of paper (dry basis) until the slime accumulations is controlled. Addition rates can then be reduced to 0.15 - 0.35 lbs. H-434/ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Slightly fouled systems should be treated continuously with 0.15 - 0.35 lbs.

H-434/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

LIQUID CONCENTRATES

DESCRIPTION: H-434 Microbiocide is a preservative which effectively inhibits the growth of microorganisms in emulsions, coatings, waxes, polishes, sizing, caulk, ink, adhesive, and pigment slurries.

TYPICAL USE LEVELS: Laboratory testing and customer use show H-434 Microbiocide is typically effective when applied at concentrations shown below. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by actual testing. All concentrations are based on the total formulation weight.

	Effective Concentration
Latex Emulsions.....	0.05 - 0.8%
Adhesives.....	0.05 - 0.8%
Waxes, Polishes & Ink.....	0.05 - 0.4%
Pigment Slurries.....	0.04 - 0.9%
Aqueous Paints & Coatings.....	0.08 - 0.3%

METAL WORKING 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 H-434 Microbiocide to the fluid in the collection tank. Additions should be made with a metering pump.

Initial or Slug Dose: When the system is just noticeably fouled, add 1.1 gal.

H-434 Microbiocide/1,000 gal. of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.44 - 0.88 gal. H-434 Microbiocide/1,000 gal. of metalworking fluid per day, or as needed to maintain control.

Additions may be made continuously or intermittently. Slug the system as necessary.

ELECTRODEPOSITION SYSTEMS

For control of bacteria and fungi in Electrodeposition Systems (such as automotive or industrial equipment systems). Slugfeed H-434 at a rate of 0.1 gal./1,000 gallons of water in the system (100 ppm) as needed, depending upon results of cultures taken from the system.

REVERSE OSMOSIS SYSTEMS

H-434 may be used to control bacteria and reduce biofouling in industrial membrane systems (reverse osmosis, ultrafiltration, microfiltration). Acceptable applications include reverse osmosis for the production of boiler makeup water, rinsing of electric components, and industrial wastewater treatment.

H-434 may be either slug fed or continuously fed to the feed streams of membrane systems. For slug feed, add between 50 and 70 ppm H-434 for 30 minutes to 3 hours. Frequency of addition should be every 5 days or as needed. When fed continuously, feed rate should be between 10 and 100 ppm H-434.

NOTE: For industrial systems in which H-430 residuals cannot be tolerated. H-434 must be slug fed. During and for 30 minutes to 1 hour following chemical addition, permeated and concentrate systems must be diverted to waste.

For additional information regarding incidents involving human and environmental exposure, call Calgon Corporation, Health and Environmental Affairs at ~~412-494-8800~~.

~~OPDES HALCO COMPANY~~

630-205-1000

~~H-434/97/CPA Sm.~~

