



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

July 2, 2003

Mr. Claude H. Wolf Product Registration Manager Ondeo Nalco Company Ondeo Nalco Center Naperville, IL 60563-1198

Subject:

AG-451 Industrial Microbiocide

EPA Registration No. 1706-231 Application Dated April 17, 2003

Dear Mr. Wolf:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments.

Proposed Label Amendment

Label revisions per PR Notice 2001-1

Label Comments

- 1. Add the word "Pesticide" before the word Storage in the Storage and Disposal section.
- 2. The precautionary statement paragraph text must all be the same type size.

General Comments

You referred to an MSDS when calling a poison control center. Submit a copy of the MSDS to the Agency to be inserted in your files for future reference.

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact me at (703) 308-6422 or Renae Whitaker at (703) 308-7003.

Sincerely,

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

Enclosure



AG-451

INDUSTRIAL MICROBIOCIDE.

ACTIVE INGREDIENT:		. *
2,2-Dibromo-3-nitrilopropionamide	•	59
INERT INGREDIENTS		
TOTAL		

Weight: 9.6 lbs/gal, (1.15 kg/liter)

KEEP OUT OF REACH OF CHILDREN **DANGER**

FIRST AID

- IF IN EYES: Hold eyes 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 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 by a poison control center or doctor.
- IF ON SKIN: 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 INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulances, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Have the MSDS with you when calling a poison control center or a doctor, or going for treatment.

EPA REG. NO. 1706-231

EPA EST. NO. 1706-PA-1

Ondeo Nalco Company Ondeo Nalco Center Naperville, IL 60563-1198 Emergency Phone No.: (800) 424-9300

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 on clothing. Chemical Worker's goggles must be worn when handling. Wash thoroughly after handling. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and invertebrates. 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. Secondary biological treatment of DBNPA effluent is required for all uses except for use in secondary oil recovery systems. 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.

Rev.: 0324/2003

DIRECTION FOR USE

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

Controls bacteria, fungi, and algae in industrial recirculating water cooling tower systems, and in once-through fresh and seawater industrial cooling water systems; controls sime-forming bacteria and fungi, and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems.

NOTE: Add AG-451 separately to the system. Do not mix it with other additives, in order to avoid decomposition of AG-451 due to high pH of many additive formulations.

IN RECIRCULATING WATER SYSTEMS

AG-451 aids in the control of bacterial, fungal, and alcal slimes in evaporative condensers, commercial and industrial cooling towers, industrial water scrubbing systems, and brewery pasteurizers. For optimum performance, add AG-451 at a point of uniform mixing. Addition may be continuous or intermittent (slug) depending on the severity of contamination when treatment is begun. When a metering pump is not used for addition, care should be exercised in handling. Refer to precautionary statements.

Badly fouled systems must be cleaned before treatment is begun.

FOR THE CONTROL OF BACTERIA

INTERMITTENT (SLUG) METHOD - INTIAL DOSE: When the system is noticeably fouled, add 2.4 - 4.9 fluid ounces of AG-451 per 1000 gallon of water in the system (22-44 ppm). Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add 1.2 - 4.8 fluid ounces of AG-451 per 1000 gallons of water in the system (11 - 44 ppm) every four days or as needed to maintain control.

CONTINUOUS FEED METHOD - INITIAL DOSE: When the system is noticeably fouled, 2.4 - 4.9 fluid ounces of AG-451 per 1000 gallon of water in the system (22-44 ppm).

SUBSEQUENT DOSE: Maintain this level by purpoing a continuous feed of 0.5 - 2.4 fluid ounces of AG-451 per 1000 gallon of water (4 - 22 ppm) lost from the system by bleedoff.

FOR CONTROL OF FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, add 25 - 49 fluid ounces of AG-451 per 1000 gallon of water in the system (221-438 ppm). Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 15 - 49 fluid ounces of AG-451 per 1000 gallon of water in the system (135-438 ppm) daily, or as needed to maintain control.

CONTINUOUS FEED METHOD - INITIAL DOSE; When the system is noticeably fouled add 25 - 49 fluid ounces of AG-451 per 1000 gallon of water in the system (221-438 ppm).

SUBSEQUENT DOSE: Maintain treatment level by pumping a continuous feed of 15 - 49 fluid ounces of AG-451 per 1000 gallon of water in the system (135-438 ppm) per day. Badly fouled systems must be cleaned before treatment is begun.

IN PAPER MILLS

For control of bacterial, fungal, and yeast growth in pulp. Paper and paperboard mills, add AG-451 at the rate of 7.7 -19.2 fluid ounces per ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of the contamination. It should be made with a metering pump at a location that will ensure uniform distribution of AG-451 in the mass of fiber and water, such as the beaters. Jordan inlet or discharge, broke chest, furnish chests, save-alls, and white-water tanks.

Heavily fouled systems should be boiled out, then treated with 7.7 - 19.2 fluid ounces of AG-451 per ton of paper (dry basis), as necessary for control. Moderately fouled systems should be treated continuously with 19.2 - 25,9 fluid ounces of AG-451 per ton of paper (dry basis) until the slime accumulation is controlled. Additional rates can then be reduced to 7.7 - 19.2 fluid ounces of AG-451 per 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 paer machine may be advisable. Slightly fouled systems should be treated continuously with 7.7 - 19.2 fluid ounces of Ag-451 per ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

IN AIR WASHER SYSTEMS

Add 1 -32 fluid ounces of AG-451 per 1000 gallons of water in the system (9-285 ppm), depending on the severity of the contamination to control slime-forming bacteria and fungi in the industrial air washing system, NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun.

INTERMITTENT (SLUG) METHOD - INITIAL DOSE: When the system is noticeably fouled, add 20 - 32 fluid ounces of AG-451 per 1000 gallon of water in the system (176-285 ppm). Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 1 - 16 fluid ounces of AG-451 per 1000 gallon of water in the system (9-142 ppm) every 2 days or as needed to maintain control.

CONTINUOUS FEED METHOD - INITIAL DOSE: When the system is noticeably fouled add 20 - 32 fluid ounces of AG-451 per 1000 gallon of water in the system (178-285 ppm).

SUBSEQUENT DOSE: Maintain treatment level by pumping a continuous feed of 1 - 16 fluid ounces of AG-451 per 1000 gallon of water in the system (9-142 ppm) per day.

IN METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted with water at ratios of 1:100 -1:4. For controlling (or inhibiting) the growth of bacteria, fung, and yeasts that may deteriorate metalworking fluids that contain water, add Ag-451 to the fluid ion tank. Additions should be made with a metering pump.

INITIAL OR SLUG DOSE: When the sys metalworking fluid to the system. Repeat u is evident, add 0.4 - 0.8 gallons of AG-451 control. Additions can be made continuous ONCE-THROUGH

For controlling bacteria, fungs, and algae cooling ponds, canals & lagoons, add AG system. Addition should be made with a mi of contamination when treatment is begun,

INTERMITTENT METHOD - INITIA Minimum treatment intervals should be 15: microbial control is evident, add 12-48 ppm CONTINUOUS FEED METHOD - INT 451 continuously to the system. SUBSEQU of 4-24 ppm AG-451 continuously to the sy

INTERMITTENT METHOD - INITIAL

to the system. The minimum treatmen SUBSEQUENT DOSE. When microbial needed to maintain control. The minimum cleaned before treatment is begun.

CONTINUOUS FEED METHOD - IN AG-451 to the system. SUBSEQUENT D 472 ppm AG-451 to the system. Badly foul

For controlling slime-forming bacteria, year systems, or other oil field water systems, ad severity of contamination. Additions shoul CONTINUOUS FEED METHOD: When barrels of water continuously until the de gallons of AG-451 per 2400 barrels of water INTERMITTENT (SLUG) METHOD: V add 3.2 - 25 gallons of AG-451 per 2400 b on the severity of contamination. Addition injection pumps and injection well headers biopolymer used in flooding operations, ad 451 should be made with a metering pump to prevent loss of viscosity.

STOR

Do not contaminate water, food, or feed STORAGE: To maintain product qual when not in use.

PESTICIDE DISPOSAL: Pesticide w spray mixture, or rinsate is a violation according to label instructions, contact Hazardous Waste representative at the n CONTAINER DISPOSAL: Do not ret recycling or reconditioning, or puncture by state and local authorities.

with COMMENT **EPA** Letter Date

JUL - 2 2003

Under the Federal Insectic Functicide, and Rodenticide amended, for the pesticiat registered under EPA Reg.