

UNITED ATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FEB - 2 2009

Michael S. Harvey President Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto, CA 95358

Subject:

ENVIRO-BROM 20L

EPA Registration No. 63838-11 Application Date: December 11, 2008 Receipt Date: December 19, 2008

Dear Mr. Harvey:

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

Proposed Amendment

Revised labeling per agency letter dated December 2, 2008

General Comments

A stamped copy of the accepted labeling is enclosed.

The Agency is moving away from review of paper submitted registration applications to electronic review of applications. Therefore, we need your help to make this an efficient and convenient process for both you and the Antimicrobials Division. Accordingly, we are asking you to submit future labeling amendments for this product via the electronic labeling process. Refer to the following website for guidance on electronic submissions, including label:

http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm. If you have questions concerning electronic labeling, a list of contacts is available at the following site: http://www.epa.gov/oppfead1/eds/edsgoals.htm#contacts.

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Should you have any questions concerning this letter, please contact me by telephone at (703) 308-7003 or email address at: Whitaker.renae@epa.gov, during the hours of 8:00 am to 3:30 pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

Renae Whitaker

(Acting) Product Manager (34) Regulatory Management Branch II Antimicrobials Division (7510P)

Enclosure: Stamped EPA label

ENVIRO-BROM。 20L

MICROBIOCIDE, BACTERICIDE, FUNGICIDE, ALGAECIDE AND SLIMICIDE, USED IN TREATING WATER FOR INDUSTRIAL RECIRCULATING COOLING, ENHANCED OIL AND OILFIELD SYSTEMS, RO MEMBRANES, PAPER MILLS, AND PRESERVATION.

ACTIVE INGREDIENT:

2,2-dibromo-3-nitrilopropion	amide 18.3%
INERT INGREDIENTS	
ТОТ	AL 100.0%

Each gallon of this product contains approx. 2.1 lbs of active ingredient.

KEEP OUT OF REACH OF CHILDREN **DANGER**

See side panels for additional precautionary statements

See side pariets for additional precaditionary statements		
FIRST AID		
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.	
	Move person to fresh air	
If inhaled	 If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible 	
	Call a poison control center or doctor for further treatment advice	
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 swallowed	Call 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 the poison control center or doctor Do not give anything by mouth to an unconscious person	
	ontainer or label with you when calling a poison control	
	nter or doctor, or going for treatment. O CONTACT 1-800-420-9236 FOR EMERGENCY	

MEDICAL TREATMENT INFORMATION

NOTE TO PHYSICIAN

damage may contraindicate the use of gastric lavage

MANUFACTURED TYTE Enviro Tech Chenfical Services Inc. 500 Winmoore Way, Medesto, CA 95358 (209) 581-9576

EPA Reg. No. 63838-11	EPA Est. No. 63838-CA-01
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•	FEB - 2 2009

Item #: 042-V2x-12-08| Under the Federal Insecticide, Fungicide, and Rodenticide, Act as amended, for the pesticide, registered unde EPA Reg. No. 6

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN CAUSES SKIN BURNS. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Coveralls worn over long sleeved shirt and long pants
- Chemical resistant footwear plus socks
- Goggles or face shield
- Chemical resistant gloves (such as barrier laminate), neoprene rubber, nitrile rubber, or PVC
- Chemical resistant apron (for mixing/loading)

APPLICATION RESTRICTIONS: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

ENGINEERING CONTROLS: When handlers are using closed metering systems the handler requirements may be reduced or modified to long-sleeved shirt, long pants, shoes and socks.

REQUIREMENTS: Follow manufacturer's instructions for SAFFTY cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY INSTRUCTIONS: Users must wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. User must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. Assoon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. 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: Store in a dark, cool, dry, well-ventilated area, not above 104°F (40°C), in wellclosed original containers, away from energy sources, combustible organic materials, oxidizers and moisture. Do not store with foods, feeds, drugs, or clothing.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not use this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Clean container promptly after emptying. Offer for recycling if available.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times

SPILLS: When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious rubber gloves and boots, use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then add an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area; flood with 10% sodium bicarbonate solution and large volumes of water if necessary.

DIREC

It is a violation of Federal Law to

DIRECTIONS: FOR RECIRCULAT NOTE: Badly fouled systems must instructions before treatment is beg Do not mix it with other additives, so high pH of many additive formulation uniform mixing). Addition should be intermittent, depending on the sever the in-system retention time. Opt continuous or intermittent treatment be discontinued for 24-48 hours. For initial routine control of bacteri gallons of water, and for the control / 1000 gallons of water in the system INTERMITTENT OR SLUG/SHOCK Initial Dose: When the system product / 1000 gallons of water in gal of this product / 1000 gallons of Subsequent Dose: When microb product / 1000 gallons of water in control. For fungi/algae control as system volume and daily or as need CONTINUOUS FEED METHOD: Initial Dose: When the system product / 1000 gallons of water in the of this product / 1000 gallons of sy Subsequent Dose: Maintain this gal of this product, or for fungivals product / 1000 gallons of water in DIRECTIONS: AIR WASHER SYS Badiy fouled systems must be clear in industrial air washer systems th initial routine control of slime for product / 1000 gallons of system w INTERMITTENT OR SLUG FEED 0.003-0.095 gal of this product / evident, add 0.0015-0.047 gal of tl as needed to maintain control. CONTINUOUS FEED.METHOD: \

gal of this product / 1000 gallons continuous feed of 0.0015-0.047

DIRECTIONS: PULP AND PAPE This product is only for use in non-Corrugated Board, Kraft paper, No food contact uses. When used a fungal slimes in pulp, paper, and systems. Treat water at critical ar uniform such as beaters, furnish of frequency and duration of the treat Add this product separately to the avoid decomposition of this produthe control of bacterial, fungal and this product at levels of 0:15-0:50 Heavily fouled systems must fir product / ton (dry) of paper or pult Moderately fouled systems sho product/ ton (dry) of paper or pull rates can then be reduced to 0 continuous or intermittent basis breaks in the paper and a clean u

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ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. 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 FPA

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a dark, cool, dry, well-ventilated area, not above 104°F (40°C), in wellclosed original containers, away from energy sources, combustible organic materials, oxidizers and moisture. Do not store with foods, feeds, drugs, or clothing:

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: Nonrefillable container. Do not use this container to hold materials other than pesticides or dilute pesticides (finsate). After emptying and cleaning it may be allowable to temporarily hold rinsate or other pesticide related materials in the sontainer. Contact your state regulatory agency to determine allowable practices in your state. Clean container promptly after emptying. Offer for recycling if available.

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PILLS: When handling or dealing with spills, use impact-resistant goggles with side nields, or face shield; wear body-covering clothes, including impervious rubber gloves and pots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate blution, water and then add an inert absorbent before sweeping up and disposing as scribed for pesticide disposal. If drum contents are contaminated or decomposing, isolate isealed drum in the open or in a well-ventilated area; flood with 10% sodium bicarbonate lution and large volumes of water if necessary.

DIRECTIONS FOR USE

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

DIRECTIONS: FOR RECIRCULATING COOLING WATER:

NOTE: Badly fouled systems must be pre-cleaned by following manufacturer's product instructions before treatment is begun. Add Enviro-Brom 20L separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. Add this product to the basin (or any other point of uniform mixing). Addition should be made via a metering pump, it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the in-system retention time. Optimum performance with this product is achieved by continuous or intermittent treatment. If a "shock" treatment is used the blow-down should be discontinued for 24-48 hours.

For initial routine control of bacteria add 0.00095-0.0095 gallons of this product / 1000 gallons of water, and for the control of fungi and algae add 0.029-0.095 gal of this product / 1000 gallons of water in the system, depending on the severity of contamination.

INTERMITTENT OR SLUG/SHOCK METHOD:

Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal of this product / 1000 gallons of water in the system. For fungi/algae control add 0.048-0.095 gal of this product / 1000 gallons of system water. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal of this product / 1000 gallons of water in the system every 4 days, or as needed to maintain control. For fungi/algae control add 0.029-0.095 gal of this product / 1000 gallons of system volume and daily or as needed to maintain control.

CONTINUOUS FEED METHOD:

Initial Dose. When the system is noticeably fouled, add 0.0048-0.0095 gal of this product / 1000 gallons of water in the system. For fungi/algae control add 0.048-0.095 gal of this product / 1000 gallons of system water.

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal of this product, or for fungi/algae control feed at the rate of 0.029-0.095 gal of this product / 1000 gallons of water in the system lost by blow-down.

DIRECTIONS: AIR WASHER SYSTEMS:

Badly fouled systems must be cleaned before treatment is begun. Only use this product in industrial air washer systems that maintain effective mist eliminating components. For initial routine control of slime forming bacteria and fungi add 0.0015-0.095 gal of this product / 1000 gallons of system water.

INTERMITTENT OR SLUG FEED METHOD: When the system is noticeably fouled, add 0.003-0.095 gal of this product / 1000 gal of system water. When microbial control is evident, add 0.0015-0.047 gal of this product / 1000 gal of system water every 2 days or as needed to maintain control.

CONTINUOUS FEED METHOD: When the system is noticeably fouled, add 0.003-0.095 gal of this product / 1000 gallons of system water. Maintain this level by pumping a continuous feed of 0.0015-0.047 gal of this product / 1000 gallons of system water per day.

DIRECTIONS: PULP AND PAPER MILL SYSTEMS:

This product is only for use in non-food applications, such as Brown Paper Mills, Sheet for Corrugated Board, Kraft paper, Newsprint, and similar paper/paperboard not intended for food contact uses. When used as directed this product effectively controls bacterial and fungal slimes in pulp, paper, and paperboard mill process systems including white water systems. Treat water at critical areas in the system where mixing of the product will be uniform such as beaters, furnish chest, white-water tank, save-all, and broke chest. The frequency and duration of the treatment will depend upon the severity of the problem.

Add this product separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. For the control of bacterial, fungal and yeast growth in pulp, paper and paperboard mills add this product at levels of 0.15-0.50 lbs./ton (dry) of pulp or paper produced.

Heavily fouled systems must first be boiled out, then treated with 0.15-0.35 lbs. of this product / ton (dry) of paper or pulp as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lbs. of this product/ ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to 0.15-0.35 lbs. of this product/ ton (dry) 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 this product fon (dry) of paper on an intermittent basis to mainte. Dislodged slime may cause bre machine may be advisable.

machine may be advisable. DIRECTIONS: ENHANCED AND For controlling slime-forming ba fungi in oil field water, polymer or add 1-80 ppm of this product depending on the severity of the c compatible metering pump either CONTINUOUS FEED METHOD: When the system is noticeably for gal) per each 2,400 barrels of w control is achieved. Subsequent gal) per 2,400 barrels of water con INTERMITTENT OR SLUG DOS fouled or to maintain control of the 6.4 gal) per each 2,400 barrels of from 1-4 times per week, or as contamination.

NOTE: For control of bacteria, biopolymer used in flooding or fract product (1.2-6.4 gal) per 2,400 ban be made with a metering pump in biopolymer solution to reduce poten DIRECTIONS: TREATING OILFIEL This product may be used either in Dosages may vary from as much a to 10 to 50 ppm of this product in c 1,000 gallons of water equals appro A typical slug treatment is to add intervals as needed to prevent grov may be slug treated as describe continuous treatment to maintain con DIRECTIONS: NON-POTABLE WA This product may be used to contro membrane systems, including UF include boiler feedwater wastewa systems. This product may be fed water (0.4-4.0 ml/min / 10 gallons of DIRECTIONS: TREATING METAL This product is an effective antir lubricating fluids that are water solu recommended at the fluid collection INITIAL OR SLUG DOSING METH add this product at the rate of 0.2 treated. Repeat if necessary until o SUBSEQUENT DOSING: When m the rate of 0.1-0.2 gal. per 1000 ga as needed to maintain microbial co continuously or intermittently as nec DIRECTIONS: INDUSTRIAL PRES This product may be used in pr emulsions, clay slurries, lubricants material or product at a concentr equals 0.08-8 gal of this product pe required will depend on the materia present.

Note: The following will help concentrations of the active ingred recommended product (volume) do 0.0041 gal = 1 ppm; 0.008 gal = 2 0 ppm active ingredient. (1 gal =

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EQUIPMENT

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OSAL lisposal

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Improper disposal of excess pesticide, If these wastes cannot be disposed of late Pesticide or Environmental Control the nearest EPA Regional Office for

Do not use this container to hold sate). After emptying and cleaning, it her pesticide-related materials in the determine allowable practices in your for recycling if available.

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se impact-resistant goggles with side cluding impervious rubber gloves and at spills with 10% sodium bicarbonate fore sweeping up and disposing as contaminated or decomposing, isolate as flood with 10% sodium bicarbonate

DIRECTIONS FOR USE

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

DIRECTIONS: FOR RECIRCULATING COOLING WATER:

NOTE: Badly fouled systems must be pre-cleaned by following manufacturer's product instructions before treatment is begun. Add Enviro-Brom 20L separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. Add this product to the basin (or any other point of uniform mixing). Addition should be made via a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the in-system retention time. Optimum performance with this product is achieved by continuous or intermittent treatment. If a "shock" treatment is used the blow-down should be discontinued for 24-48 hours.

For initial routine control of bacteria add 0.00095-0.0095 gallons of this product / 1000 gallons of water, and for the control of fungi and algae add 0.029-0.095 gal of this product / 1000 gallons of water in the system, depending on the severity of contamination.

INTERMITTENT OR SLUG/SHOCK METHOD:

Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal of this product / 1000 gallons of water in the system. For fungi/algae control add 0.048-0.095 gal of this product / 1000 gallons of system water. Repeat until control is achieved

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal of this product / 1000 gallons of water in the system every 4 days, or as needed to maintain control. For fungi/algae control add 0.029-0.095 gal of this product / 1000 gallons of system volume and daily or as needed to maintain control.

CONTINUOUS FEED METHOD:

Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal of this product / 1000 gallons of water in the system. For fungi/algae control add 0.048-0.095 gal of this product / 1000 gallons of system water.

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal of this product, or for fungi/algae control feed at the rate of 0.029-0.095 gal of this product / 1000 gallons of water in the system lost by blow-down.

DIRECTIONS: AIR WASHER SYSTEMS:

Badly fouled systems must be cleaned before treatment is begun. Only use this product in industrial air washer systems that maintain effective mist eliminating components. For initial routine control of slime forming bacteria and fungi add 0.0015-0.095 gal of this product / 1000 gallons of system water.

INTERMITTENT OR SLUG FEED METHOD: When the system is noticeably fouled, add 0.003-0.095 gal of this product / 1000 gal of system water. When microbial control is evident, add 0.0015-0.047 gal of this product / 1000 gal of system water every 2 days or as needed to maintain control.

CONTINUOUS FEED METHOD: When the system is noticeably fouled, add 0.003-0.095 gal of this product / 1000 gallons of system water: Maintain this level by pumping a continuous feed of 0.0015-0.047 gal of this product / 1000 gallons of system water per day.

DIRECTIONS: PULP AND PAPER MILL SYSTEMS:

This product is only for use in non-food applications; such as Brown Paper Mills, Sheet for Corrugated Board, Kraft paper, Newsprint, and similar paper/paperboard not intended for food contact uses. When used as directed this product effectively controls bacterial and fungal slimes in pulp, paper, and paperboard mill process systems including white water systems. Treat water at critical areas in the system where mixing of the product will be uniform such as beaters, furnish chest, white-water tank, save-all, and broke chest. The frequency and duration of the treatment will depend upon the severity of the problem.

Add this product separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. For the control of bacterial, fungal and yeast growth in pulp, paper and paperboard mills add this product at levels of 0.15-0.50 lbs/ton (dry) of pulp or paper produced.

Heavily fouled systems must first be boiled out, then treated with 0.15-0.35 lbs. of this product / ton (dry) of paper or pulp as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lbs. of this product/ ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to 0.15-0.35 lbs. of this product/ ton (dry) 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- of this product/ ton (dry) of paper or pulp, until the slime is controlled, then added on an intermittent basis to maintain control.

Dislodged slime may cause breaks in the paper and a clean up of the paper machine may be advisable.

DIRECTIONS: ENHANCED AND SECONDARY OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods or other oil field water systems, add 1-80 ppm of this product (0.1-6.4 gallons) per 2,400 barrels of water depending on the severity of the contamination. Additions should be made with a compatible metering pump either continuously or intermittently. CONTINUOUS FEED METHOD:

When the system is noticeably fouled, add 10-80 ppm of this product (0.8-6.4 gal) per each 2,400 barrels of water continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm of this product (0.1-1.2 gal) per 2,400 barrels of water continuously or as needed to maintain control. INTERMITTENT OR SLUG DOSE METHOD: When the system is noticeably

INTERMITIENT OR SLUG DOSE MELHOD: When the system is noticeably fouled or to maintain control of the system, add 10-80 ppm of this product (0.8-6.4 gal) per each 2,400 barrels of water intermittently for 4-8 hours per day and from 1-4 times per week, or as needed depending on the severity per contamination.

NOTE: For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding or fracturing (frac) operations, add 15-80 ppm of this product (1.2-6.4 gal) per 2,400 barrels of water. Additions of this product should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to reduce potential loss of viscosity.

DIRECTIONS: TREATING OILFIELD AND PETROCHEMICAL SYSTEMS

This product may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of this product in slug application to 10 to 50 ppm of this product in continuous treatment (1/4 pint this product per 1,000 gallons of water equals approximately 30 ppm).

A typical slug treatment is to add 1 pint of this product per 1,000 gallons at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated as described above to establish control, followed by continuous treatment to maintain control.

DIRECTIONS: NON-POTABLE WATER REVERSE OSMOSIS SYSTEMS

This product may be used to control bacteria and reduce biofouling in industrial membrane systems, including UF and NF systems. Acceptable applications include boiler feedwater, wastewater, electronics and industrial membrane systems. This product may be fed at the rate of 1.3-13 fl oz / 1000 gallons of water (0.4-4.0 ml/min / 10 gallons of flow water).

DIRECTIONS: TREATING METAL WORKING FLUIDS

This product is an effective antimicrobial treatment for metal work lubricating fluids that are water soluble. The point of addition of this precommended at the fluid collection tank using a metering pump.

INITIAL OR SLUG DOSING METHOD: When the system is noticeably fouled, add this product at the rate of 0.25 gal. (945 ml) per 1000 gal. of fluid to be treated. Repeat if necessary until control is achieved.

SUBSEQUENT DOSING: When microbial control is evident, add this product at the rate of 0.1-0.2 gal. per 1000 gal of metal working/lubricating fluid per day or as needed to maintain microbial control. Additions of this product may be made continuously or intermittently as necessary.

DIRECTIONS: INDUSTRIAL PRESERVATION USES

This product may be used in products such as paints, coatings, polymers, emulsions, clay slurries, lubricants, inks, polishes, etc. Add this product to the material or product at a concentration of 20 to 2,000 ppm by weight, which equals 0.08-8 gal of this product per 1000 gal of liquid to be treated. The amount required will depend on the material being treated and the level of contamination present.

Note: The following will help the user determine approximate end-use concentrations of the active ingredient per 1000 gallons of water at the various recommended product (volume) dose rates on this label: 0.0014 gal = 0.35 ppm; 0.0041 gal = 1 ppm; 0.008 gal = 2 ppm. Thus, likewise a 0.08 gal dose would = 20 ppm active ingredient. (1 gal = 128 fl oz)