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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

MAY -2 2012

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENT

Ana Rodriguez Koster
Agent for Clearwater International LLC
c/o
Lewis & Harrison
122 C Street N W Suite 740
Washington DC 20001

Subject **BIO CLEAR 2000**
EPA Registration No 59106 6
Application Date April 04 2012
Receipt Date April 04 2012

Dear Ms Rodriguez Koster

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

Proposed Amendment

- Registrant is deleting once through cooling tower application from the label
- Registrant is deleting paper mill application from the label
- Registrant is adding product language for avoiding direct or indirect food contact

General Comment

A stamped label is enclosed for your records Submit a copy of your final printed label before distributing or selling the product bearing the revised labeling

Should you have any questions or comments concerning this letter you may contact me by telephone at (703) 308 6416 or by e mail at campbell_mcfarlane@epa.gov or Stacey Grigsby by telephone at (703) 347 0181 or by e mail at mcleod_glen@epa.gov during the hours of 8 00am to 4 00pm EST When submitting information or data in response to this letter a copy of this letter should accompany the submission to facilitate processing

Sincerely

A handwritten signature in dark ink, appearing to read "Jacqueline McFarlane", is written over the typed name.

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

Enclosure EPA stamped accepted labeling

BIO-CLEAR 2000

Controls coliform and bacteria in publicly owned treatment works controls bacteria fungi and yeasts in metalworking fluids containing water and enhanced oil recovery systems controls bacteria fungi and algae in industrial recirculating water cooling towers and reverse osmosis systems controls slime forming bacteria and fungi in air washer systems

Reduces microbial contamination in process water raw materials and formulated and industrial products Reduces microbial contamination in process water raw materials and formulated consumer and institutional products that will not come in direct or indirect contact with food Reduces microbial contamination in wastewater recycled process water recycled products recycled wastewater and equipment cleaning operations

FOR INDUSTRIAL USE ONLY

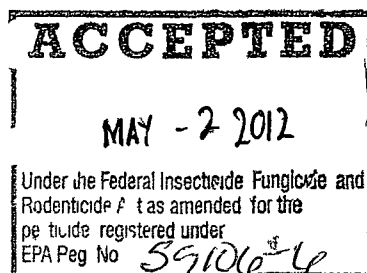
Active Ingredients	
2,2-Dibromo 3-nitrilopropionamide	20%
Other Ingredients	80%
Total	100%

KEEP OUT OF REACH OF CHILDREN

DANGER

Manufactured [by][for]
Clearwater International LLC
D/B/A Weatherford Engineered Chemistry
515 Post Oak Blvd
Houston TX 77027

EPA Reg No 59106 6
EPA Est No
NET WEIGHT _____ POUND (S)



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Danger Corrosive Causes irreversible eye damage or skin burns Do not get on eyes or on clothing May cause loss of vision Fatal if absorbed through skin Harmful if swallowed or inhaled Avoid breathing vapor This product may cause skin sensitization reactions in some people Wear goggles or face shield (safety glasses) Wear protective clothing (long sleeve shirt and long pants socks plus shoes and chemical resistant gloves such as waterproof gloves) Wash thoroughly with soap and water after handling and before eating drinking or using tobacco Remove contaminated clothing and wash before reuse

FIRST AID

IF IN EYES

Hold eye open and rinse slowly and gently with water for 30 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

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 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 to do so by the poison control center or doctor
Do not give anything by mouth to an unconscious person

IF INHALED

Move person to fresh air
If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth to mouth if possible
Call a poison control center or doctor for further treatment advice

Have the product container or label with you when calling a poison control center or doctor or going for treatment For emergency information call the **National Pesticides Information Center** at 1 800 858 7378 6 30 AM to 4 30 PM Pacific time (PT) seven days a week During other times call the poison control center 1 800 222 1222

NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms Apply this product only as specified on this label Do not contaminate water by cleaning of equipment or disposal of wastes Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other water 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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear
coveralls over long sleeved shirt and long pants
socks and chemical resistant footwear
goggles or face shields
chemical resistant gloves (such as barrier laminate butyl rubber polyvinyl chloride or Viton)
For mixing/loading wear a chemical resistant apron

Follow manufacturers instructions for cleaning and maintaining PPE. If no such instructions exist for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY REQUIREMENTS

Users must wash hands before eating, drinking, chewing gum or using the toilet. Users 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 the gloves before removing. As soon as possible wash thoroughly.

PHYSICAL AND CHEMICAL HAZARDS

Incompatible with potassium permanganate and powdered iron.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product directly in a way that will contact workers or other persons.

DIRECTIONS FOR USE

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

NOTE: Add **BIO CLEAR 2000** separately to the system. Do not mix it with other additives in order to avoid decomposition of **BIO CLEAR 2000** due to the high pH of many additive formulations.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios 1:100 to 1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that can deteriorate metalworking fluids containing water, add **BIO CLEAR 2000** to the fluid in the collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gal of **BIO CLEAR 2000** per 1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1 to 0.2 gal of **BIO CLEAR 2000** per 1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEM

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 **BIO CLEAR 2000** (0.164 gal of **BIO CLEAR 2000** per 2,400 barrels of water) depending on the severity of contamination. Additions must be made with a metering pump either continuously or intermittently.

CONTINUOUS FEED METHOD

When the system is noticeably fouled, add 10.80 ppm **BIO CLEAR 2000** (0.864 gal of **BIO CLEAR 2000** per 2,400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1.15 ppm **BIO CLEAR 2000** (0.112 gal of **BIO CLEAR 2000** per 2,400 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 **BIO CLEAR 2000** (0 8 6 4 gal of **BIO CLEAR 2000** 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 **BIO CLEAR 2000** can 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 **BIO CLEAR 2000** (1 2 6 4 gal of **BIO CLEAR 2000** per 2400 barrels of water) Additions of **BIO CLEAR 2000** must be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add **BIO CLEAR 2000** to the basin (or any other point of uniform mixing) Additions must be made with a metering pump it can be continuous or intermittent depending on the severity of the contamination when the treatment has begun and the retention time of the system

Optimum performance with this product is attained by continuous or intermittent treatment If shock treatment is used the blowdown must be discontinued for 24 48 hours

Badly fouled systems must be cleaned before treatment has begun

FOR CONTROL OF BACTERIA

Add 0 00095 0 0095 gal of **BIO CLEAR 2000** per 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 of **BIO CLEAR 2000** per 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 of **BIO CLEAR 2000** per 1 000 gal of water in the system every 4 days or as needed to maintain control

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled add 0 0048 0 0095 gal of **BIO CLEAR 2000** per 1 000 gal of water to the system

SUBSEQUENT DOSE Maintain this level by pumping a continuous feed of 0 00095 0 0048 gal of **BIO CLEAR 2000** per 1 000 gal of water in the system per day

FOR CONTROL OF FUNGI AND ALGAE

Add 0 029 0 095 gal of **BIO CLEAR 2000** per 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 0 048 0 095 gal of **BIO CLEAR 2000** per 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 of **BIO CLEAR 2000** per 1 000 gal of water in the system or as needed to maintain control

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled add 0 048 0 095 gal of **BIO CLEAR 2000** per 1 000 gal of water to the system

SUBSEQUENT DOSE Maintain this level by pumping a continuous feed of 0 029 0 095 gal of **BIO CLEAR 2000** per 1 000 gal of water in the system per day

REVERSE OSMOSIS SYSTEMS

BIO CLEAR 2000 can 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

BIO CLEAR 2000 must be fed continuously to the membrane system feed water at a rate of 10 100 ppm **BIO CLEAR 2000** (1 3 13 0 fl oz /1 000 gallons or 0 4 to 4 0 ml/min per 10 gpm of feed water) For off line system disinfection add 50 170 ppm **BIO CLEAR 2000** (6 5 22 0 fl oz/ 1 000 gallons) to the off line cleaning feed tank and re circulate for 30 minutes to 3 hours Frequency of addition must be every 5 days or as needed

Note For industrial systems in which **BIO CLEAR 2000** residuals cannot be tolerated **BIO CLEAR 2000** must be slug fed During and for 30 minutes to 1 hour following chemical addition permeate and concentrate streams must be diverted to waste

AIR WASHING SYSTEMS

Add 0 0015 0 095 gal of **BIO CLEAR 2000** per 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

Badly fouled systems must be cleaned before treatment has begun

INTERMITTENT OR SLUG METHOD

INITIAL DOSE When the system is noticeably fouled add 0 003 0 095 gal of **BIO CLEAR 2000** per 1 000 gal of water in the system Repeat until control is achieved

SUBSEQUENT DOSE When microbial control is evident add 0 00015 0 047 gal of **BIO CLEAR 2000** per 1 000 gal of water in the system every 2 days or as needed to maintain control

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled add 0 003 0 095 gal of **BIO CLEAR 2000** per 1 000 gal of water to the system

SUBSEQUENT DOSE Maintain this level by pumping a continuous feed of 0 0015 0 047 gal of **BIO CLEAR 2000** per 1 000 gal of water in the system per day

Note For use only in industrial air washer systems that maintain effective mist eliminating components

HYDROTESTING

FOR CONTROL OF BACTERIA

Water used to hydrotest pipelines or vessels must contain 100 to 1 000 ppm of **BIO CLEAR 2000** per 1 000 gallons of water (0 1 to 1 gallon of **BIO CLEAR 2000** per 1000 gallons of water) depending on water quality and length of time the equipment will remain idle

PUBLICLY OWNED TREATMENT WORKS

TO CONTROL COLIFORM AND BACTERIA

Add **BIO CLEAR 2000** at a concentration of 1 0 to 10 0 ppm by weight of water being treated depending on the severity and contamination in the system

Addition must be continuous and made with a metering pump at a point in the system where mixing will be rapid and thorough. Add **BIO CLEAR 2000** to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

TO USE AS A CO TREATMENT WITH CHLORINE

Add 0.4 to 1.5 ppm **BIO CLEAR 2000** by weight of water treated.

Chlorination must result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition must be continuous and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. **BIO CLEAR 2000** must be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

PROCESS, PRODUCT, WASTEWATER & RECYCLE CLEAN UP

BIO CLEAR 2000 can be used to reduce microbial contamination in process water and raw materials during the formulating phase or it can be added directly to the final formulation product to reduce microbial contamination prior to packaging. **BIO CLEAR 2000** can also be used for treatment of wastewater. The required concentration will depend upon the material being treated and the contamination load. Organic load, pH, exposure to load and time are matrix effects that impact efficacy of the biocide. You will need to determine the optimum level to use for your system or product within the guidelines given below. Do not use at greater than recommended levels.

CONSUMER, HOUSEHOLD & INSTITUTIONAL PROCESSES & PRODUCTS

BIO CLEAR 2000 is not intended for use in personal care products or products that will come in direct or indirect contact with food.

Process Water & Raw Material Clean Up

To reduce microbial contamination in process water or raw materials used to make consumer household or institutional products, add **BIO CLEAR 2000** directly to the water or raw material at a concentration of 125 to 1,000 ppm by weight.

Direct Product Addition

To reduce microbial contamination in formulated products such as hard surface cleaners, laundry detergent, fabric softeners and other hard surface cleansers, laundry detergent, fabric softeners and other water-based formulations, add 125 to 250 ppm by weight **BIO CLEAR 2000** directly to the product prior to packaging. Thorough mixing is recommended.

CONSUMER, HOUSEHOLD & INSTITUTIONAL RECYCLE WATER, RECYCLE PRODUCT CLEANUP & RECYCLE WASTEWATER

BIO CLEAR 2000 is not intended for use in products that will come in direct or indirect contact with food.

BIO CLEAR 2000 can be added to recycle process water, a recycle product stream or added to a recycle waste water stream to reduce microbial contamination. Add at a convenient point of uniform mixing. This can be either continuous feed directly into a transfer line or slug fed to the storage container for either wash water or product. Add 125 to 1,000 ppm by weight. This concentration is equivalent to 3.8 to 30.3 ml (1.28 to 10.2 fluid oz) **BIO CLEAR 2000** per 100 gallons to be treated.

INDUSTRIAL PROCESSES & PRODUCTS

Process Water & Raw Material Clean Up

To reduce microbial contamination in process water or raw material used to make industrial products, add **BIO CLEAR 2000** directly to the process water or raw material at a concentration of 125 to 2,000 ppm by weight. This includes raw materials and/or products such as aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions and surfactant.

Direct Product Addition

To clean up microbial contamination in a final formulated industrial product, add 125 to 500 ppm by weight **BIO CLEAR 2000** directly to the product prior to packaging.

INDUSTRIAL RECYCLE WATER, RECYCLE PRODUCT CLEAN UP & RECYCLE WASTEWATER
BIO CLEAR 2000 can be added to recycle process water a recycle product stream or added to a recycle waste water stream to reduce microbial contamination Add at a convenient point of uniform mixing This can be either continuous feed directly into a transfer line or slug fed to the storage container for either wash water or product Add 125 to 2000 ppm by weight This concentration is equivalent to 38 to 606 ml (1 25 to 20 4 fluid oz) **BIO CLEAR 2000** per 100 gallons to be treated

INDUSTRIAL WASTEWATER SYSTEMS

WASTEWATER SYSTEMS WASTEWATER SLUDGE AND WASTEWATER HOLDING TANKS
BIO CLEAR 2000 must be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester Add 125 2 000 ppm by weight This concentration is equivalent to 378 6054 milliliters **BIO CLEAR 2000** (12 8 204 7 fl oz) per 1 000 gallons of water

TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS

BIO CLEAR 2000 can be added as a tankside additive in recirculating electrodeposition systems and associated rinse systems to control microbial contamination **BIO CLEAR 2000** must be added into the recirculating rinse system at a point to insure uniform mixing Add 125 to 2000 ppm by weight This concentration is equivalent to 378 6054 milliliters of **BIO CLEAR 2000** (12 8 204 7 fl oz) per 1000 gallons of water

EQUIPMENT CLEANING

BIO CLEAR 2000 can be used to kill microorganisms present in solution or growing on the surfaces of process equipment such as reaction vessels storage tanks and containers piping and hoses For standard cleaning of equipment add 50 to 250 ppm by weight of **BIO CLEAR 2000** in an aqueous solution to process piping or equipment Heavily fouled solutions or equipment must be treated with up to 2000 ppm of **BIO CLEAR 2000** after treating process equipment with **BIO CLEAR 2000**, allow the **BIO CLEAR 2000** solution to be in contact with surfaces for up to four hours

If bleach is being used for cleaning purposes at 50 to 250 available chlorine **BIO CLEAR 2000** can be used as part of a dual treatment program at 50 to 100 ppm by weight in combination with sodium hypochlorite Treat process equipment with chlorine first Follow the treatment with **BIO CLEAR 2000** Do not combine concentrated sodium hypochlorite solution with **BIO CLEAR 2000**

PESTICIDE STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

Pesticide 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 Handling

[Note to Reviewer Bioclear 2000 is a ready to use product and not a dilutable product Therefore residue removal instructions are not applicable]

For Non Refillable Rigid Containers of all Sizes

Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying 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

For Refillable Rigid Tote Containers

Refillable container Refill this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller To clean container before final disposal empty contents into application equipment and triple rinse Pour or pump rinsate into application equipment or rinsate collection system Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

Spills When handling or dealing with spills wear protective clothing as indicated in the Personal Protective Equipment section Cover wet spills with 10% sodium bicarbonate solution water and then 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 volume of water if necessary

NOTICE Do not ship or store with food feeds drugs or clothing

[Batch code]