

U.S. ENVIRONMENTAL PROTECTION
AGENCYOffice of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

59106-7

Date of Issuance:

June 23, 2008

Term of Issuance:

Unconditional

Name of Pesticide Product:

BIO-CLEAR 5000

Name and Address of Registrant (include ZIP Code):

Clearwater International, LLC
515 Post Oak Blvd., Ste., 600
Houston, TX 77027

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product [**OPP Decision Number: D-388682**] is unconditionally registered in accordance with FIFRA sec 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Number to read, "EPA Reg. No. 59106-7".

Signature of Approving Official:

Adam Heyward
Product Manager Team-34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

June 23, 2008

b. Revise the precautionary statements to read as follows:

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

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed or absorbed through skin. Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

c. Add the following inhalation statement to the first aid statements:

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.

e. Revise the emergency information section of the first aid statements to read as follows:

- 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.

d. Add the following PPE [Personal Protection Equipment] languages to the label:

Personal Protection Equipment

Applicators and other handlers must wear:

- coveralls, over long-sleeved shirt and long pants
- socks and chemical resistance footwear
- goggles or face shields
- Chemical-resistant gloves (such as barrier, laminate, butyl rubber, nitrile rubber, Neoprene rubber, polyvinyl chloride, viton)
- For mixing/loading: wear a chemical resistant apron.

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

f. Add the following User Safety Recommendations language to the label:

User Safety Recommendations

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 gloves before removing. As soon as possible, wash thoroughly.

General Precautions and Restrictions

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

3. See point #1 under the recommendations section of the product chemistry review dated May 8, 2008. The OPPTS § 830.1750 Series must be satisfied.

4. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised 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.

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>

A stamped copy of the label is enclosed for your records.

Sincerely,



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

Enclosure: (Stamped approved label)

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BIO-CLEAR 5000

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.

FOR INDUSTRIAL USE ONLY

Active Ingredients:
2-2-Dibromo-3-nitrilopropionamide 5%
Other Ingredients..... 95%
Total:100%

KEEP OUT OF REACH OF CHILDREN

DANGER

Manufactured [by][for]:
Clearwater International, LLC
515 Post Oak Blvd., Ste. 600
Houston, TX 77027

EPA Reg. No.: 59106-__
EPA Est. No.:
NET WEIGHT: ____ POUND (S)

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUN 23 2008

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

59106-7



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. Wear chemical worker's goggles when handling. Wash thoroughly after handling.

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.

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.

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.

PHYSICAL AND CHEMICAL HAZARDS

Incompatible with potassium permanganate and powdered iron.

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 5000** separately to the system. Do not mix it with other additives, in order to avoid decomposition of **BIO-CLEAR 5000** 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 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add **BIO-CLEAR 5000** 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 of **BIO-CLEAR 5000** per 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 of **BIO-CLEAR 5000** per 1,000 gal of metal working 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 4-320 ppm **BIO-CLEAR 5000** (0.4-28.6 gal of **BIO-CLEAR 5000** 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 40-320 ppm **BIO-CLEAR 5000** (3.6-28.6 gal of **BIO-CLEAR 5000** per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 4-60 ppm **BIO-CLEAR 5000** (0.4-5.4 gal of **BIO-CLEAR 5000** 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 40-320 ppm **BIO-CLEAR 5000** (3.6-28.6 gal of **BIO-CLEAR 5000** 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 5000** 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 60-320 ppm **BIO-CLEAR 5000** (5.4-28.6 gal of **BIO-CLEAR 5000** per 2400 barrels of water). Additions of **BIO-CLEAR 5000** should 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 5000** to the basin (or any other point of uniform mixing). Additions should be made with a metering pump; it may 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 should be discontinued for 24-48 hours.

Badly fouled systems must be cleaned before treatment has begun.

FOR CONTROL OF BACTERIA

Add 0.0038-0.038 gal of **BIO-CLEAR 5000** 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 0.019-0.038 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident add 0.0095-0.038 gal of **BIO-CLEAR 5000** 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 0.019-0.038 gal of **BIO-CLEAR 5000** per 1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0038-0.019 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system per day.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.116-0.360 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT OF SLUG METHOD:

INITIAL DOSE: When the system is noticeably fouled, add 0.192-0.380 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident add 0.116-0.380 gal of **BIO-CLEAR 5000** 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 0.192-0.380 gal of **BIO-CLEAR 5000** per 1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.116-0.380 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system per day.

AIR-WASHING SYSTEMS

Add 0.0078-0.250 gal of **BIO-CLEAR 5000** 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 0.156-0.250 gal of **BIO-CLEAR 5000** per 1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident add 0.00785-0.125 gal of **BIO-CLEAR 5000** 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 0.156-0.250 gal of **BIO-CLEAR 5000** per 1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0078-0.125 gal of **BIO-CLEAR 5000** 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.

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 Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (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.

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.

[Batch Code]