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59106-1

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 15, 1997

Mr. Leonard J. Persinski, Research Director
Clearwater, Inc.
5605 Grand Avenue
Pittsburgh, PA 15225

Dear Mr. Persinski:

SUBJECT: Revised Labeling To Remove "Poisonous Solid" and Icon
"Bio-Clear 1000"
(EPA File Reg. No. 59106-1)
Amendment submission dated August 19, 1997

The revised labeling, submitted in connection with registration under the amended Federal, Insecticide, Fungicide and Rodenticide Act is acceptable. A stamped copy is enclosed for your records.

If you have any questions or concerns, please call me at (703) 308-6230, or Killian Swift of my staff at (703) 308-6346.

Sincerely yours,

A handwritten signature in cursive script that reads "Portia M. Jenkins".

Portia M. Jenkins,
Acting Product Manager 34
Regulatory Mgmt. Branch II
Antimicrobials Div. (7510W)

Enclosure

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Center Panel

BIO•CLEAR 1000

A MICROBIAL BACTERICIDE, FUNGICIDE, ALGAECIDE AND SLIMICIDE IN
TREATING NON-MARINE, OIL FIELD DRILLING AND RECOVERY APPLICATIONS

ACTIVE INGREDIENT: 2,2-Dibromo-3-Nitrilopropionamide.....	98%
INERT INGREDIENTS.....	2%
TOTAL 100%	

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

- If in eyes: Flush eyes immediately with plenty of water for at least 15 minutes and get medical attention at once.
- If on skin: Wash with soap and plenty of water. Wash contaminated clothing before reuse.
- If inhaled: Remove person to fresh air immediately. Get him quiet and warm; apply artificial respiration if necessary. Get medical attention at once.
- If swallowed: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

WASH THOROUGHLY AFTER HANDLING

See side panels for additional precautionary statement.

EPA Reg. No. 59106-1

EPA Est. No. 59106

CLEARWATER, INC.
5605 Grand Ave.
Pittsburgh, PA 15225

ACCEPTED
9-15-97

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 59106-1

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Right Panel

NON-MARINE, ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeast, and fungi in oil field water, polymer of micellar floods, water-disposal systems or other oil field water systems, add 1-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 barrels of water) depending on the severity of contamination.

Continuous Feed Method

When the system is noticeably fouled, add 2-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 barrels of water) continuously or as needed to maintain control.

Intermittent of Slug Method

When the system is noticeably fouled, or to maintain control of the system, add 2-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 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 1000 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 3-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 barrels of water).

COMPLETION AND WORKOVER FLUIDS

Bio•Clear 1000 antimicrobial should be added to a completion and workover fluid at a point of uniform mixing such as a circulating tank. Add antimicrobial (0.1-0.6 pound per 100 barrels of fluid) to freshly prepared fluid depending on the severity of contamination. Circulate the workover fluid system until the fluid returns clear, shut the system down and idle for several hours. Remove the workover fluid. The well should be ready for productive use.

DRILLING MUDS

Bio•Clear 1000 antimicrobial should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

INITIAL TREATMENT: Add (0.1-0.6 pound antimicrobial per 100 barrels of fluid) to a freshly prepared drilling fluid depending on the severity of contamination.

MAINTENANCE DOSAGE: As the total volume of the system increases due to increased well depths, maintain 10-16 ppm level by adding 0.1-0.6 pound per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

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Left Panel

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE
CAUSES SEVERE BURNS OF EYES
EYE CONTACT MAY CAUSE LOSS OF VISION
IRRITATING TO NOSE AND THROAT
MAY BURN THE SKIN • MAY BE FATAL IF SWALLOWED

Do Not Breathe Dust. Do Not Get in Eyes, on Skin, or on Clothing. Impact-resistant Goggles with Side-shields, or Face Shield, and Rubber Gloves Must be Worn when Handling. Use with Adequate Ventilation.

ENVIRONMENTAL HAZARD

This pesticide 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.

CHEMICAL AND PHYSICAL HAZARDS

Reaction with strong reducing agents may be explosive. Avoid comminution and dust.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

STORAGE: Store in dark, cool, dry, well-ventilated area, not above 40°C, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers and moisture. 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 dust respirator.

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PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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: 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.

SPILLS: 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.

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PACKER FLUIDS

Bio•Clear 1000 antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 16 ppm antimicrobial (0.1-0.6 pound per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

WATER FLOODS

Bio•Clear 1000 should be added to a flood water system at a point of uniform mixing such as the area of addition to make up water to the holding tank.

INITIAL TREATMENT: When the system is noticeably contaminated, add 10-16 ppm Bio•Clear 1000 (0.1-0.6 pound Bio•Clear 1000 per 100 barrels of water). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 16 ppm Bio•Clear 1000 (0.1-0.6 pound per 100 barrels flood water) weekly, or as needed to maintain control.

DO NOT SHIP WITH FOOD, FEEDS, DRUGS OR CLOTHING

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

TO MAINTAIN PRODUCT QUALITY, STORE IN THE DARK AT TEMPERATURES BELOW 40°C.

Net contents: _____ LBS./ _____ KG.

WARRANTY

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 the 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, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

IN CASE OF EMERGENCY CONTACT:

CLEARWATER, INC.
5605 Grand Ave.
Pittsburgh, PA 15225

CHEMTREC (800) 424-9300

Call Collect: (412) 264-1100

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