

63838-11

12/02/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:  
63838-11

Date of Issuance:  
December 2, 2008

Term of Issuance:  
Unconditional

Name of Pesticide Product:  
Enviro-Brom® 20L

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Enviro Tech Chemical Services, Inc  
500 Winmoore Way  
Modesto, CA 95358

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 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-397524) 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. 63838-11".

Signature of Approving Official:

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

Date:

December 2, 2008

- b. Remove the text "Wash thoroughly after handling" after the first aid statement.
- c. Revise the Precautionary statement to read:

"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"

- d. Add the Personal Protection Equipment (PPE) language to the label (insert PPE after precautionary statement):

#### **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, polyvinyl chloride, PVC

For mixing/loading: Wear a chemical resistant apron.

For cleaning equipment: Wear a chemical resistant apron.

- e. Add the following headings and texts:

#### **APPLICATION RESTRICTIONS**

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

#### **ENGINEERING CONTROL**

"When handlers are closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks."

#### **USER SAFETY REQUIREMENTS**

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

#### **USER SAFETY INSTRUCTIONS**

"Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the 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. As soon as possible, wash thoroughly and change into clean clothing."

- f. Revise the Storage and Disposal section to read in accordance with PR Notice 2007-4.
- g. Include directions for "Shock Treatment."
- h. Revise the non food contact paper paragraph to read as follows:

**PULP, PAPER, AND PAPERBOARD MILLS:**

THIS PRODUCT IS ONLY FOR USE IN NON-FOOD APPLICATION, 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 water 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; etc.....


- i. Heavily fouled system: Need directions for pre-cleaning.
- j. What does frac mean (spell out)?
- k. The heading Directions for Non-Potable insert (Water) Reverse Osmosis Systems.
- l. Remove Offline disinfection from label. No data was submitted to support the use.
- m. Revise the Directions for Industrial Preservation Uses to read, "This product may be used...in paints, coatings, polymers, emulsions, clay slurries, lubricants, inks, polishes."

Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling. 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/oppfead1/eds/esr\\_guidance.htm#overallsub](http://www.epa.gov/oppfead1/eds/esr_guidance.htm#overallsub). 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>.

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.

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 Label)

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# ENVIRO-BROM® 20L

A MICROBIOCIDAL, BACTERICIDE, FUNGICIDE, ALGAEICIDE 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-nitropropionamide ..... 18.3%  
**INERT INGREDIENTS** ..... 81.7%  
**TOTAL** ..... 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

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible</li> <li>Call a poison control center or doctor for further treatment advice</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Call poison control center or doctor immediately for treatment advice</li> <li>Have person sip a glass of water if able to swallow</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>Do not give anything by mouth to an unconscious person</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p><b>YOU MAY ALSO CONTACT 1-800-420-9236 FOR EMERGENCY MEDICAL TREATMENT INFORMATION</b></p> <p><b>NOTE TO PHYSICIAN</b></p> <p>"Probable mucosal damage may contraindicate the use of gastric lavage."</p>	

### WASH THOROUGHLY AFTER HANDLING

MANUFACTURED BY:  
 Enviro Tech Chemical Services, Inc.  
 500 Winmoore Way, Modesto, CA 95358  
 (209) 581-9576

EPA Reg. No. 63838-11

EPA Est. No. 63838-CA-010

NET CONTENTS: \_\_\_\_\_ GALS.

APPROVED  
 COMMENTS  
 to EPA Letter Dated:

LOT # \_\_\_\_\_

Item #: 042-V1-5-08

DEC -2 2008

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

63838-11

## 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. DO NOT GET IN EYE, OR ON SKIN. PROLONGED OR FREQUENT REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, USING TOBACCO, OR USING THE TOILET. REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE. WHEN HANDLING THIS PRODUCT WEAR GOGGLES OR FACE SHIELD. WEAR PROTECTIVE CLOTHING (LONG SLEEVE SHIRT AND LONG PANTS, SOCKS PLUS SHOES AND CHEMICAL RESISTANT WATERPROOF GLOVES).**

#### General Precautions and Restrictions

Do not apply this product in a way that will contact workers or other persons. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Wash and keep PPE separately from other laundry.

#### 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 well-closed 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 (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.

## 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 cleaned 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 Enviro-Brom 20L / 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 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 FOR 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 FOR PULP AND PAPER MILL SYSTEMS:

**NOTE:** 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.

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. 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.

Addition can be continuous or intermittent, depending upon the type of system and the severity of contamination. Addition is via a metering pump at a point in the system that will ensure uniform distribution of this product in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks. 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. **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.

### DIRECTIONS FOR 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 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 of the contamination.

**NOTE:** For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding or 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 FOR TREATING OILFIELD AND PETROCHEMICAL SYSTEMS:

Enviro-Brom 20L 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 to establish control, followed by continuous treatment to maintain control.

### DIRECTIONS FOR NON-POTABLE REVERSE OSMOSIS SYSTEMS:

Enviro-Brom 20L 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). For off-line disinfection, add 10-34 ppm active product (6.5-22 fl oz / 1000 gal) to the off-line cleaning feed tank and recirculate for 30 minutes to 3 hours, depending on the degree of contamination. Rinse thoroughly before placing equipment back in service. Always flush valves during cleaning cycles by opening and closing valves.

### DIRECTIONS FOR TREATING METAL WORKING FLUIDS:

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

**INITIAL OR SLUG DOSING METHOD:** When the system is noticeably fouled, add Enviro-Brom 20L 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 FOR INDUSTRIAL PRESERVATION USES:

This product may be used to control microbiological contamination in products such as paints, coatings, polymers, emulsions, clay slurries, lubricants, inks, polishes, etc. Add Enviro-Brom 20L 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; 0.004 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)