

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

8622-56

5/11/2004

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May 11, 2004

Robert Rosenwasser  
 Manager, Regulatory Affairs  
 Ameribrom, Inc.  
 2115 Linwood Avenue  
 Fort Lee, NJ 07024

Subject: BIOBROM C-100 G  
 EPA Registration No. 8622-56  
 Application Date: March 24, 2004  
 Receipt Date: March 24, 2004

Dear Mr. Rosenwasser:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

**Proposed Notification**

- addition of hotline number to First Aid statement

**General Comments**

Based on a review of the material submitted, the following comments apply:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Mitchell  
 Product Reviewer 32  
 Regulatory Management Branch II  
 Antimicrobials Division (7510C)

CONCURRENCES							
SYMBOL	7510C	7510C					
SURNAME	E. Berg	Mitchell					
DATE	5/11/04	5-11-04					



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United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
292319

### Application for Pesticide - Section I

1. Company/Product Number 8622-56	2. EPA Product Manager W. Mitchell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BIOBROM C-100G	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Ameribrom, Inc. 2115 Linwood Avenue Fort Lee, NJ 07024 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

"Notification of Addition of Hotline Telephone Number to already amended First Aid Statements per PR Notice 98-10."

"This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Notification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Robert Rosenwasser	Title Manager, Regulatory Affairs	Telephone No. (Include Area Code) (201) 242-8577
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) ..... ..... ..... ..... ..... .....
2. Signature 	3. Title Manager, Regulatory Affairs	
4. Typed Name Robert Rosenwasser	5. Date March 24, 2004	



**AmeriBrom, Inc.**

2115 Linwood Avenue, Fort Lee, NJ 07024-5004

Tel: 1 (201) 242-6560 Fax: 1 (201) 242-6561 Info@AmeriBrom.dsbg.com

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March 24, 2004

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Document Processing Desk (AMEND)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202-4501

**Attention: Wanda Mitchell PM-32 (7510C)**

**RE: Notification of Addition of Hotline Telephone Number to already amended First Aid Statements per PR Notice 98-10.**

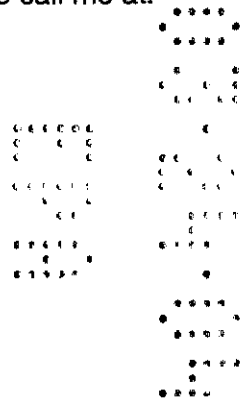
1. **AmeriBrom, Inc., 2115 Linwood Avenue, Fort Lee, NJ 07024 is filing these Notifications to add an Emergency Hot Line Phone Number to our already amended First Aid Statements.**
2. **This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.**

Enclosed in this packet are Two (2) copies of each label. Please see page 2 for a complete list of the AmeriBrom labels.

If you have any questions or require further information, please feel free to call me at: (201) 242-6577.

Sincerely yours,

Robert Rosenwasser  
Manager, Regulatory Affairs



**PRECAUTIONARY STATEMENTS  
HAZARDS 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 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. Do not breathe mist or vapor. Use with adequate ventilation.

**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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**YOU MAY ALSO CONTACT 1-800-420-9293 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.**

**NOTE TO PHYSICIAN**

"Probable mucosal damage may contraindicate the use of gastric lavage."

**BIOBROM® C-100G**

DBNPA

A MICROBIOCIDAL BACTERICIDE, FUNGICIDE, ALGAEICIDE AND SLIMICIDE, USED IN TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS, PAPER MILLS, BREWERY PASTEURIZER WATER, METALWORKING CUTTING FLUIDS, NON-POTABLE REVERSE OSMOSIS SYSTEMS, ENHANCED OIL RECOVERY SYSTEMS, AIR-WASHER SYSTEMS, INDUSTRIAL PRESERVATION APPLICATIONS AND PUBLICLY-OWNED TREATMENT WORKS.

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

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See side panels for additional precautionary statements

EPA Reg. No. 8622-56

EPA Est. No. 15298-IS-1  
EPA Est. No. 56567-IL-001

**NET CONTENTS: 50 LBS. (22.7 KGS)**

**WARRANTY**

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label 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.

**MANUFACTURED IN ISRAEL FOR:**

**AMERIBROM, INC.**

**2115 LINWOOD AVENUE  
FORT LEE, NJ 07024  
(201) 242-6563**

**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.

**CHEMICAL AND PHYSICAL HAZARDS**

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

**STORAGE AND DISPOSAL**

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

**STORAGE**

Store in a dark, cool, dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, and moisture.

**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**

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be re-used, dispose of in the same manner. If drum is not contaminated and can be re-used, offer for recycling or reconditioning.

**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 dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal. 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 volumes of water if necessary.

**DO NOT SHIP WITH FOOD, FEEDS, DRUGS, OR CLOTHING**

**KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE**

**DIRECTIONS FOR USE**

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

**TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL OR COMMERCIAL COOLING SYSTEMS**

NOTE: Add BIOBROM C-100G separately to the system. Do not mix it with other additives, so as to avoid decomposition of BIOBROM C-100G due to the high pH of many additive formulations. Add BIOBROM C-100G 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 "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

**FOR CONTROL OF BACTERIA**

Add sufficient BIOBROM C-100G to reach a concentration in the system of 0.2 - 2.3 ppm active ingredient, depending on the severity of contamination.

**INTERMITTENT OR SLUG METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.6 - 2.3 ppm BIOBROM C-100G to the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration in the system of 1.2 - 2.3 ppm.

**Subsequent Dose:** Maintain a concentration of 0.2 - 1.2 ppm BIOBROM C-100G in the system. Badly fouled systems must be cleaned before treatment is begun.

Add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient, depending on the severity of contamination. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.6 - 2.3 ppm BIOBROM C-100G to the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** Maintain a concentration of 0.2 - 1.2 ppm BIOBROM C-100G in the system. Badly fouled systems must be cleaned before treatment is begun.

**TREATING PULP AND PAPER**

NOTE: Add BIOBROM C-100G to avoid decomposition of the product.

For the control of slime-forming bacteria in paper mills, add BIOBROM C-100G to the mill water.

Addition can be continuous or intermittent, depending on the severity of the contamination.

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.6 - 2.3 ppm BIOBROM C-100G to the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration in the system of 1.2 - 2.3 ppm.

**Subsequent Dose:** Maintain a concentration of 0.2 - 1.2 ppm BIOBROM C-100G in the system. Badly fouled systems must be cleaned before treatment is begun.

**TREATING NON-POTABLE WATER**

For controlling bacteria, fungi, and algae in non-potable water, add BIOBROM C-100G to the water.

Addition can be continuous or intermittent, depending on the severity of the contamination.

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.6 - 2.3 ppm BIOBROM C-100G to the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration in the system of 1.2 - 2.3 ppm.

**Subsequent Dose:** Maintain a concentration of 0.2 - 1.2 ppm BIOBROM C-100G in the system. Badly fouled systems must be cleaned before treatment is begun.

**TREATING METALWORKING FLUIDS**

BIOBROM C-100G is effective against bacteria, fungi, and yeasts that may deteriorate the metalworking fluids.

Addition can be continuous or intermittent, depending on the severity of the contamination.

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 1.2 - 2.3 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 0.6 - 2.3 ppm BIOBROM C-100G to the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration in the system of 1.2 - 2.3 ppm.

**Subsequent Dose:** Maintain a concentration of 0.2 - 1.2 ppm BIOBROM C-100G in the system. Badly fouled systems must be cleaned before treatment is begun.

**WASH THOROUGHLY AFTER HANDLING**

**TREATING BREWERY PASTEURIZER WATER**

For controlling (or inhibiting) the growth of bacteria, fungi or yeasts in brewery pasteurizing water systems, add BIOBROM C-100G at a point in the system to insure uniform mixing.

**Initial or Slug Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration of 60.6 ppm active ingredient in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, maintain a concentration of 24.4 - 48.4 ppm BIOBROM C-100G in the system, or as needed to maintain control. Additions of BIOBROM C-100G product can be made continuously or intermittently. Slug the system as required. Badly fouled systems must be cleaned before treatment is begun.

**TREATING ENHANCED OIL RECOVERY SYSTEMS**

**NOTE:** Add BIOBROM C-100G separately to the system. Do not mix it with other additives, so as to avoid decomposition of BIOBROM C-100G due to the high pH of many additive formulations. Addition of BIOBROM C-100G may be made at the free water knockouts, before or after the injection pumps and injection well headers.

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 sufficient BIOBROM C-100G to achieve a concentration in feedwater of 0.2 - 16.0 ppm 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 2 - 16 ppm BIOBROM C-100G continuously until the desired degree of control is achieved. Subsequently, treat with 0.2 - 3.9 ppm BIOBROM C-100G 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 2.0 - 16.0 ppm BIOBROM C-100G intermittently for 4-8 hours per day and from 1-4 times per week, or as needed depending on the severity of contamination.

**NOTE:** For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding operations, add 3 - 16 ppm BIOBROM C-100G. Additions of BIOBROM C-100G should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to reduce loss of viscosity.

**DIRECTIONS FOR TREATING AIR-WASHER SYSTEMS**

Add sufficient BIOBROM C-100G to reach a concentration in the system of 0.35 - 22.1 ppm active ingredient, depending on the severity of contamination to control slime-forming bacteria and fungi in industrial air washing systems.

**INTERMITTENT OR SLUG METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to reach a concentration in the system of 0.7 - 22.1 ppm active ingredient. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add sufficient BIOBROM C-100G every 2 days to reach a concentration in the system of 0.35 - 10.9 ppm active ingredient, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, add sufficient BIOBROM C-100G to achieve a concentration in the system of 0.7 - 22.1 ppm active ingredient.

**Subsequent Dose:** Maintain this level by pumping a continuous feed of 0.35 - 10.9 ppm active ingredient in the system per day. Badly fouled systems must be cleaned before treatment is begun.

**NOTE:** For use only in industrial air-washer systems that maintain effective mist eliminating components.

**DIRECTIONS FOR INDUSTRIAL PRESERVATION APPLICATIONS**

BIOBROM C-100G may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including: inks, polishes, waxes, detergents, and cleansers.

**TO REDUCE MICROBIOLOGICAL CONTAMINATION**

Add BIOBROM C-100G to the raw material or product at a concentration of 5 to 408 ppm by weight. This concentration is equivalent to 0.036 to 2.894 lbs. BIOBROM C-100G per 1,000 gallons. The required concentration will depend on the material being treated and the level of contamination present.

**DIRECTIONS FOR TREATING PUBLICLY- OWNED TREATMENT WORKS TO CONTROL COLIFORM AND OTHER BACTERIA**

Add sufficient BIOBROM C-100G to reach a concentration in the system of 0.2 to 2.0 ppm active ingredient by weight of water being treated, depending on the severity and contamination in the system. Addition should be CONTINUOUS and should be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add BIOBROM C-100G 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 sufficient BIOBROM C-100G to reach a concentration in the system of 0.1 to 0.3 ppm BIOBROM C-100G active ingredient by weight of water treated. Chlorination should result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition should be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. BIOBROM C-100G should be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

**DIRECTIONS FOR TREATING OILFIELD AND PETROCHEMICAL SYSTEMS**

BIOBROM C-100G may be used either in slug treatment or in continuous application. Dosages may vary from as much as 40 ppm of BIOBROM C-100G in slug application to 2 to 10 ppm of BIOBROM C-100G in continuous treatment (0.061 lbs. BIOBROM C-100G per 1,000 gallons of water equals approximately 7 ppm).

A typical slug treatment is to add 0.25 lbs. of BIOBROM C-100G per 1,000 gallons at intervals as needed to prevent growth of microbial slimes. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

**DIRECTIONS FOR TREATING FRACTURING FLUIDS**

BIOBROM C-100G reduces bacterial contamination and degradation of fracturing gels and fluids used as well stimulants in the oil and gas industry. Biobrom C-100G may be added during pre-mixing of the fracturing fluid or (in the case of direct mix/injection systems) an aqueous solution may be added by direct injection at the head during the fracturing procedure.

**FREQUENCY AND DOSE:**

Biobrom C-100G should be used for each fracturing operation to ensure best results. Biobrom C-100G should be added at a rate of 2.0 to 3.0 lbs. per 10,000 gallons (approximately 24 to 36 ppm) depending on the quality of the makeup water.

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