

FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



Office of Pesticide Programs

APR - 9 2009

Jane M. Miller
Haliburton Energy Services, Inc.
P.O. Drawer 1431
Duncan, OK 73536-0431

Subject: BE-7 Antimicrobial
EPA Registration No. 40153-1
Application Date: March 17, 2009
Receipt Date: March 25, 2009

Dear Ms. Miller:

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

Proposed Notification:

- Storage and Container Disposal language revised per PR-Notice 2007-4.
- Addition of an advisory statement to the front panel.

General Comments:

Based on a review of the materials submitted, the following comment applies:

This notification is acceptable and has been made a part of the file for this product.

The Antimicrobials Division is revisiting the subject of Category I placement of the First Aid statement on the label. In the interim we will allow Haliburton Energy Services, Inc. to place the First Aid statement on the side as long as "See [back] [side] panel for First Aid and additional precautionary statements" appears on the front panel.

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

Sincerely,

Wanda Henson
Product Reviewer - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510C)



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 40153-1	2. EPA Product Manager E. Mitchell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BE-7 Antimicrobial	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Halliburton Energy Services, Inc. P.O. Drawer 1431 Duncan, OK 73536-0431 <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

Amendment - Explain below. Final printed labels in response to Agency letter dated _____

Resubmission in response to Agency letter dated _____ "Me Too" Application.

Notification - Explain below. Other - Explain below.

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

This is a notification to add "See side panel for additional precautionary and first aid statements" to the front panel of the label and revise the Storage and Disposal Statement (PR Notice 2007-4) per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and the 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:

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	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container

5. Location of Label Directions
 on label

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Jane M. Miller	Title Agent	Telephone No. (Include Area Code) (203) 740-1200
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Certification
 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.

2. Signature

3. Title
Agent

4. Typed Name
Jane M. Miller

5. Date
March 17, 2009

6. Date Application Received
(Stamped)

BIOLOGIC INC.
agribusiness professionals

March 17, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
US Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Room S-4900, 4th Floor
Arlington, VA 22202

Attention: Ms. Emily Mitchell (PM #32)

RE: "BE-7 Antimicrobial"; EPA Reg. No. 40153-1
Notification to revise Storage and Disposal Statement and add advisory statement

Dear Ms. Mitchell:

On behalf of Halliburton Energy Services, Inc. please find enclosed a notification to: 1) revise the Storage and Disposal statement as per PR Notice 2007-4, and 2) add the advisory statement "See side panel for additional precautionary and first aid statements" to the front panel of the label.

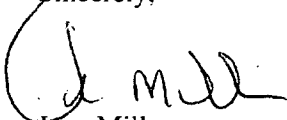
The following documents are enclosed to process this Notification:

- 1. Application for Pesticide Notification (8570-1)
- 2. One (1) copy of the draft label with the additional language underlined.
- 3. Two (2) copies of clean labeling.

Halliburton would appreciate having a stamped label returned so that it may provide this to the states.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,



Jane Miller
Agent to Halliburton Energy Services, Inc.

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[Optional Language]

NOTIFICATION
Date Reviewed: 4/9/09
Reviewed By: J. Henderson

BE-7™ Antimicrobial

A MICROBIOCIDE FOR USE IN CONTROLLING BACTERIA, INCLUDING SLIME-FORMING, SULFATE-REDUCING, IRON-OXIDIZING AND POLYMER DEGRADING BACTERIA IN OIL WELL DRILLING, OIL FIELD PROCESSING APPLICATIONS, OIL FIELD WATER SYSTEMS, OIL STORAGE TANKS AND TRANSMISSION PIPELINES, FLOOD WATER, INJECTION WATER, HOLDING POND WATER, DISPOSAL WELL-WATER AND WATER HOLDING TANKS.

For Use in Industrial Processes Only
Not for Domestic Use

Active Ingredient:	
Sodium hypochlorite.....	12.5%
Other Ingredients:.....	87.5%
Total	100.0%

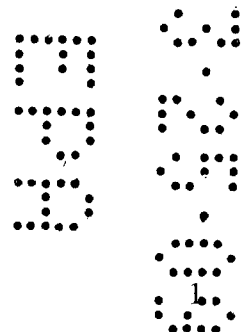
KEEP OUT OF REACH OF CHILDREN
DANGER

See side panel for additional precautionary and first aid statements.

EPA Reg. No. 40153-1
EPA Est. No. 62495-TX-01

Manufactured By:
HALLIBURTON ENERGY SERVICES, INC.
P.O. DRAWER 1431
DUNCAN, OK 73536-0431

Net Contents: [5 gallons]
 [55 gallons]
 [330 gallons]



FIRST AID	
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • 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.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic animals

DANGER: Corrosive. Causes irreversible eye damage. Causes skin irritation. Do not get in eyes, on skin or on clothing. Wear long-sleeved shirt, long pants, chemical-resistant gloves, apron, goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated. Remove and wash contaminated clothing before reuse.

Environmental Hazards

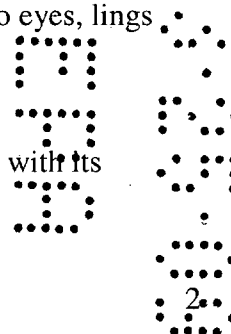
This pesticide is toxic to fish, aquatic invertebrates, shrimp, clams, and oysters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit 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.

Physical or Chemical Hazards

STRONG OXIDIZING AGENT. Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

DIRECTIONS FOR USE

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



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Note: This product degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

This product must be introduced through a closed mixing/loading and delivery transfer system equipped with a metering device that is appropriate for its intended use.

WATER FLOODS and PRODUCED WATER

BE-7 Antimicrobial should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 0.1 gallons to 8.0 gallons BE-7 Antimicrobial to the system per 1,000 gallons flood water (10 to 1,000 ppm chlorine) . Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.1 gallons to 8.0 gallons BE-7 Antimicrobial to 1,000 gallons flood water (10 to 1,000 ppm chlorine) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, FRAC FLUIDS, AND WORKOVER FLUIDS

BE-7 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 gallons to 8.0 gallons BE-7 Antimicrobial per 1000 gallons of freshly prepared fluid (10 to 1,000 ppm chlorine) depending on the severity of contamination.

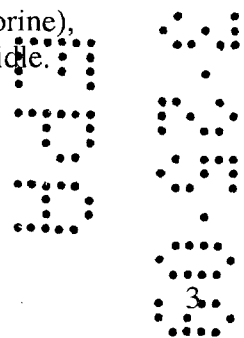
Maintenance Dosage: Maintain a concentration of BE-7 Antimicrobial by adding 0.1 to 8.0 gallons of BE-7 Antimicrobial per 1000 gallons of additional fluid (10 to 1,000 ppm chlorine), or as needed, depending on the severity of contamination.

PACKER FLUIDS

BE-7 Antimicrobial should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add BE-7 Antimicrobial 0.1 to 8.0 gallons BE-7 Antimicrobial per 1,000 gallons of freshly prepared fluid (10 to 1,000 ppm chlorine) depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain BE-7 Antimicrobial 0.1 to 8.0 gallons BE-7 Antimicrobial per 1,000 gallons water (10 to 1,000 ppm chlorine), depending on water quality and length of time the equipment will remain idle.



PIPELINE PIGGING AND SCRAPING OPERATIONS

Add BE-7 Antimicrobial to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient BE-7 Antimicrobial should be added to produce a concentration of 0.2 to 20 gallons BE-7 Antimicrobial per 100 gallons of water (250 to 25,000 ppm chlorine), depending on the length of the pipeline and the severity of biofouling.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water.

PESTICIDE DISPOSAL: Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.

CONTAINER DISPOSAL:

[Nonrefillable Container: Do not reuse or refill container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Containers 5 gallons or less: Empty the remaining contents into mixing system and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Once cleaned, offer for recycling or reconditioning if appropriate.

Containers larger than 5 gallons: Empty the remaining contents into mixing system. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip 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. Once cleaned, offer for recycling or reconditioning if appropriate.

Refillable Containers: Return container to point of purchase for reuse with seal intact and in salable condition.

Refill this container with BE-7 Antimicrobial only. Do not reuse this container for any other purpose.

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

Cleaning this 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 the container before final disposal, empty the remaining contents from this container into mixing system. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.]

WARRANTY STATEMENT

Halliburton Energy Services, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions.

It is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Halliburton Energy Services, Inc.

To the extent consistent with applicable law, Halliburton Energy Services, Inc. makes no other express or implied warranties of fitness or of merchantability or any other express or implied warranties.

To the extent consistent with applicable law, in no event shall Halliburton Energy Services, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product. To the extent consistent with applicable law, the exclusive remedy of the user or Buyer and the exclusive liability of Halliburton Energy Services, Inc., for any and all claims, losses, injuries, or damages (including claims based on breach of warranty or contract, negligence, tort or strict liability), whether from failure to perform and resulting from the use or handling of this product, shall be the return of the purchase price of the product, or at the election of Halliburton Energy Services, Inc., the replacement of the product.

