



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

40153-1

Date of Issuance:

DEC 27 2007

Term of Issuance:

Time Limited Registration expires on December 27, 2008

Name of Pesticide Product:

BE-7 Antimicrobial

NOTICE OF PESTICIDE:

- x Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Halliburton Energy Services, Inc.
P.O. Box 1431
Duncan, OK 73536-0431

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 is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) 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. 40153-1".

Signature of Approving Official:

Emily Mitchell
Product Manager Team-32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

DEC 27 2007

EPA Registration No. 40153-1

b. Submit the following confirmatory studies:

- 850.1035 - Acute Mysid Shrimp Toxicity
- 850.1055 - Acute Bi-Valve Embryo Oyster Toxicity
- 850.1075 - Acute Marine Fish Toxicity

c. The Agency has no record in their database for "64295-2." Therefore, it has been removed from the proposed Confidential Statement of Formula.

3. 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.

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

Sincerely,



Emily Mitchell
Product Manager 32
Regulatory Branch II
Antimicrobials Division (7510C)

Enclosures: (Stamped Label)

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BE-7™ ANTIMICROBIAL

A MICROBIOCIDAL 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%

ACCEPTED
with COMMENTS
EPA Letter Dated:
DEC 27 2007

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 40153-1

KEEP OUT OF REACH OF CHILDREN

DANGER

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.

Note: This product degrades with age. Use a 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 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 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 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.

Maintenance Dosage: Maintain a concentration of BE-7 antimicrobial by adding 0.1 to 8.0 gallons of BE-7 antimicrobial per 1,000 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 25,500 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 or 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: Do not reuse container. Discard in trash.

EPA Reg. No. 40153-XXX
EPA Est. No. XXXXX-XX-XXX

Manufactured By:
HALLIBURTON ENERGY SERVICES, INC.
P.O. DRAWER 1431
DUNCAN, OK 73536-0105

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