

87636-2

5/16/2014

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:  
87636-2

Date of Issuance:  
MAY 16 2014

Term of Issuance:  
Unconditional

Name of Pesticide Product:  
ENVIROLYTE

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Universal Bacterial Specialist  
P.O. Box 570324  
Houston, TX 77257

Note: Changes in labeling, differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 (OPP Decision No. D-485380) is 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. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Signature of Approving Official:

Demson Fuller  
Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Date:

MAY 16 2014

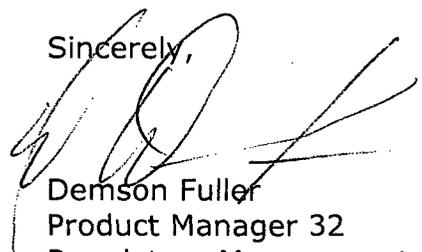
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,



Demson Fuller  
Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

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Enclosures: (Stamped Label)

# ENVIROLYTE

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## Aqueous Solution of Sodium Chloride

### Envirolyte solutions:

- are cost effective solutions to produce,
- can be produced for multiple industrial and commercial applications,
- can be produced with a controlled pH and concentration of Free Available Chlorine (FAC),
- are produced with low energy cost from water and salt (sodium chloride)

### ACTIVE INGREDIENT:

Hypochlorous Acid..... 0.105%

OTHER INGREDIENTS..... 99.895%

TOTAL..... 100.000%

Contains 1357 ppm Free Available Chlorine (FAC)

**KEEP OUT OF REACH OF CHILDREN**

<b>ACCEPTED</b>
05/16/2014
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 87636-2

Reg. No. 87636-

Est. No. 87636-TX-001

Manufactured by:  
**Universal Bacteria Specialist**  
 PO Box 570324  
 Houston, Texas 77257

Ph: 281-342-9555 email [ci@universalbacteriaspecialist.com](mailto:ci@universalbacteriaspecialist.com)

Envirolyte must be used within 30 days after being produced. DATE PRODUCED: \_\_\_\_\_

Container Size: (1 gallon, 5 gallon, 55 gallon, 275 gallon tote, 330 gallon tote, 660 gallon tote)



## GENERAL

Envirolyte is produced through the electrolysis of sodium chloride in water. Hypochlorous acid, a weak acid, oxidizing agent, and antimicrobial agent, is produced at the anode. The product at the cathode is sodium hydroxide (lye). In this particular process, Envirolyte is produced at a pH of 6.5 between 6.01 and 8.16.

The properties of Envirolyte can be closely controlled by manipulation of multiple process factors, including the electrolytic cell potential, flow rate, and salt concentration.

Envirolyte will be produced and applied as a liquid with the following physical properties.

- Freezing point is 32° F
- Boiling point is 212°F
- Colorless
- Slight chlorine odor

Store Envirolyte in a closed, plastic container in a cool, dark area away from direct sunlight. Envirolyte product must be used within 30 days of production or the FAC (the free available chlorine) will decrease.

## DIRECTIONS FOR USE

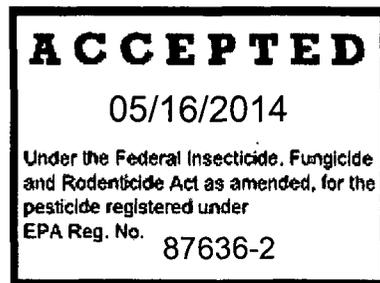
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## OIL AND GAS APPLICATIONS

**Frac Water** - For typical water treatment, mix 1.0 gallons of Envirolyte with 1000 gallons of frac water to 1.4 ppm FAC to mitigate and retard the growth of non-public health organisms such as anaerobic bacteria, aerobic bacteria, and sulfate reducing bacteria to protect fracturing fluids, polymers and gels.

**Produced Waters** - For typical treatment of produced water tanks, add 1 gallon of Envirolyte with 1000 gallons of produced water to 1.4 ppm FAC while rolling volume of tank to retard the growth of non-public health organisms such as anaerobic bacteria, aerobic bacteria, and sulfate reducing bacteria.

**Water Flood Injection Wells** - For typical water treatment, mix 1 gallon of Envirolyte with 1000 gallons of injection water to 1.4 ppm FAC to mitigate and retard the growth of non-public health organisms such as anaerobic bacteria, aerobic bacteria, sulfate reducing bacteria, and control pipeline slime.



**Sour Wells-** For typical well treatment, slug dose 50 gallons of Enviolyte on a daily or weekly basis to control non-public health microorganisms, reduce hydrogen sulfide gas, and microbial influenced corrosion (MIC).

**Heater Treaters, Hydrocarbon Storage Facilities and Gas Storage Wells** – For typical storage facility treatment mix 1 gallon of Enviolyte with 1000 gallons of water to flow through vessels into storage area to retard the growth of non-public health microorganisms, control the formation of hydrogen sulfide, and reduce corrosion of storage tanks.

**Use Sites Associated with Gas and Oil Production**

- Oil and Gas Wells**
- Plants and Refineries**
- Pipelines**
- Hydraulic Fracturing**

**PRECAUTIONARY STATEMENTS**

**Physical or Chemical Hazards:** Enviolyte is not compatible with other chemicals such as acids and hydrogen peroxide.

<b>ACCEPTED</b>
05/16/2014
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 87636-2



### STORAGE AND DISPOSAL

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

**For industrial and commercial use packages:**

**Pesticide Storage:** Store in a closed dark plastic container in cool, dry area away from heat and sunlight. Do not store with easily oxidizable materials, acids and reducers. In case of spill, isolate container (if possible) and flood area with large amounts of water to dissolve all material before discarding this container in trash.

**Emergency Handling:** In case of contamination or decomposition, do not reseal container. Isolate in open, well-ventilated area. Flood with large volume of water. Cool unopened containers in vicinity by water spray.

**Pesticide Disposal:** Pesticide wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 EPA Regional Office for guidance.

**Small Packages (5 gallons or less):**

**Container Handling:** Nonrefillable rigid container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank 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 application equipment or a 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay clear of smoke.

**For Rigid Nonrefillable Containers 5 gallons or more**

**Container Handling:** Nonrefillable rigid container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank 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 application equipment or a 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. Then offer for recycling or reconditioning if available or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay clear of smoke.

**Container Handling:** REFILLABLE CONTAINER. Refill this container with Enviolyte only. Do not reuse this container for any other purpose. Cleaning the 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 into application equipment or a mix tank. 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. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

