

87636-1

3/30/2011

1/7



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

A Reg. Number:
87636-1

Date of Issuance:
MAR 30 2011

Term of Issuance:
Conditional

Name of Pesticide Product:
ANOLYTE
FILE COPY

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code): Universal Bacteria 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 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 (OPP Decision No. 441987) 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. Add the phrase "EPA Registration Number 87636-1"

Signature of Approving Official:

Wanda Henson
Product Manager-32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:
MAR 30 2011

- b. Page 1. Delete "are () nfecting solutions" - product is not a () ifectant
- c. Page 2 under "**GENERAL**"
- Revise last sentence of first paragraph to read: "Anolyte is produced at a pH of 6.5 between 6.01 and 8.16.
 - Revised the last paragraph to read: "Store Anolyte in a closed, plastic container in a cool, dark area away from direct sunlight. Anolyte product must be used within 30 days of production or the FAC (the free available chlorine) will decrease.
-
- d. Page 3. "**Sour Wells**" revise to read "For typical well treatment, a slug dose of 168 gallons at 500 ppm FAC of Anolyte on a daily or weekly basis to control non-public health microorganisms, reduces hydrogen sulfide gas, and microbial influenced corrosion (MIC)".
- e. Page 3. "**Use Sites**" quantify to read "**Use Sites Associated with Gas and Oil Production**"
- f. Page 3. **STORAGE AND DISPOSAL STATEMENT**
Revise the "**Storage and Disposal**" statement as per EPA regulations, 40 CFR 156.140, 40 CFR 156.144, 40 CFR 156.146, and 40 CFR 156.156 and summarized in PR Notice 2007-4 of October 29, 2007 (Revised: April 29, 2008) and in Chapter 13 of the Label Review Manual, as follows:

"STORAGE AND DISPOSAL"

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

A. [Subheading] 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.

B. [Subheading] 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.

C. [Subheading] Container Handling and Disposal

[For Commercial/Industrial/Institutional Products]

1. [For rigid nonrefillable container less than 5 gallons]

Container Handling: Nonrefillable rigid container. Do not re-use 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 the procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay of smoke.

2. [For rigid nonrefillable container more than 5 gallons]**Container Handling: Nonrefillable rigid container. Do not re-use or refill this container.**

[Describe how to manage, clean and dispose of the rigid container see PR 2007-4] {Triple rinsing when contaminated with product etc??}. **Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay of smoke** [Note: Instructions for cleaning each refillable container prior to disposal are required; See detailed in PR Notice 2007-4, dated October 29, 2007].

3. The **"Storage and Disposal"** instructions should appear after the label **"Directions for Use"** instructions.

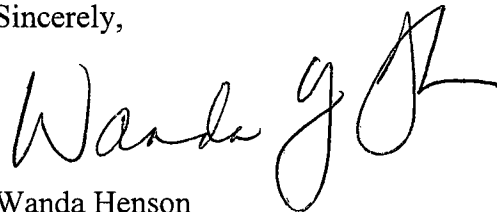
- i. Page 4. Under **"Precautionary Statement"** add **"Physical or Chemical Hazards: Anolyte is not compatible with other chemicals such as acids and hydrogen peroxide."**
- j. Page 4. Revise "Precautionary Statement" to read: "CAUTION: Causes moderate eye irritation. Avoid contact with eyes. When handling the product, wear safety glasses or goggles. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet."
- k. Correct column 8 of the updated CSF (dated 3/28/2011), to include the range of the pH, to read "6.5 (6.01 - 8.16)".

Submit promptly three (3) copies of the final printed label with the above noted comments, prior to releasing this product for sale.

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.

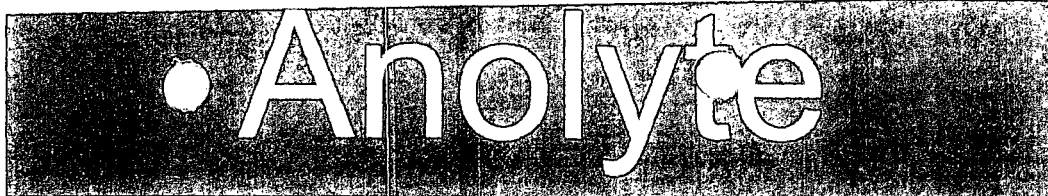
A stamped copy of the label is enclosed for your records.

Sincerely,



Wanda Henson
Acting Product Manager 32
Regulatory Branch II
Antimicrobials Division (7510P)

Enclosure: (Stamped Labeling)



1312811
4/7

Aqueous Solution of Sodium Chloride

Anolyte solutions:

- ~~are disinfecting solutions,~~ *caulite*
- 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..... 0.046%

OTHER INGREDIENTS..... 99.954%

TOTAL..... 100.000%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 30 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 87636-1

Contains 500 ppm Free Available Chlorine (FAC)

**KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel for Precautionary Statements**

Manufactured by:

Universal Bacteria Specialist

PO Box 570324

Houston, Texas 77257

Ph: 281-342-9555 email cl@universalbacteriaspecialist.com

Anolyte 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)

EPA Reg# 87636-1



EPA Est# 87636-TX-001

GENERAL

Anolyte 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, Anolyte is produced at a pH between 5.5 and 6.0.

of 6.5 6.01 8.16

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

Anolyte will be produced and applied as a liquid with physical properties similar to water.

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

~~STORE~~ Anolyte should be stored in a closed, plastic container in a cool, dark area away from direct sunlight. Anolyte ~~is to~~ be used within ~~180~~ *30* days of production or the decreased FAC may be noticed. *must*
(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 5.0 gallons of Anolyte with 995 gallons of frac water to 2.5 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 21 gallons of Anolyte with 979 gallons of produced water to 10.5 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 21 gallon of Anolyte with 979 gallons of injection water to 10.5 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.

EPA Reg# 87636-



EPA Est# 87636-TX-001

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

INSERT: PHYSICAL OR CHEMICAL HAZARDS C
"Amolyte is not compatible"

Caution

when handling the product,

Causes moderate eye irritation. Avoid contact with eyes. Wear safety glasses or goggles. Wash thoroughly with soap and water after handling and before eating,

drinking, chewing gum, ~~or using tobacco,~~ *OR using the toilet*

FIRST AID

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) 1-800-858-7378 for emergency medical treatment information.

If in eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

EPA Reg# 87636-



EPA Est# 87636-TX-C01