



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

83046-1

Date of Issuance:

MAY 7 2011

Term of Issuance:

Conditional

Name of Pesticide Product:

BIT Binary Ionization Technology

NOTICE OF PESTICIDE:

[x] Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ralph Sias
L-3 Services, Inc.
10770 Wateridge Circle, Suite 200
San Diego, CA 92121-5701

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. 83046-1".

Signature of Approving Official:

[Handwritten signature of Marshall Swindell]

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Date:

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b. Remove all references that the product is fungicidal from the label

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. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,



Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)



BIT
binary ionization technology®

For use in mold control and remediation

Active Ingredient:	
Hydrogen peroxide.....	7.5%
Inert Ingredients.....	92.5%
Total.....	100%

EPA Reg. No. 83046-1

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

OXIDIZER CORROSIVE

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • 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. • 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. • Do not give anything by mouth to an unconscious person.
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 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.
HOT LINE NUMBER	
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.	

DANGER: Corrosive. Causes irreversible eye damage or skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove contaminated clothing and wash before reuse.

Personal Protective Equipment PPE
Applicators and all other handlers must wear: long-sleeved shirt and long pants; socks and chemical resistant footwear; goggles or face shield; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton; a self-contained breathing apparatus if concentrations exceed 1 ppm during handling and/or application of BIT Hydrogen Peroxide 7.5% Ready-To-Use. Do not use oxidizable sorbants such as activated carbon.

Physical or Chemical Hazards Liquid hydrogen peroxide is a strong oxidant and poses a FIRE EXPLOSION OR CONTAINER RUPTURE HAZARD. Avoid excessive heat, contamination, or contact with combustible materials. Clothing, shoes, or other combustible materials that have come in contact with hydrogen peroxide

See back panel for additional precautionary statements.

ACCEPTED
with COMMENTS
EPA Letter Dated:
MAY - 7 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 83046-1

must be immediately and thoroughly washed with water. If allowed to dry in the materials, a fire may result. Discard shoes in a fireproof container. IN CASE OF FIRE, use water only. CONTAIN SPILLS and dilute with 20 parts of water. After diluting the spill, sodium metabisulfide or sodium sulfite (1.9 lbs. of SO₂ equivalent per 500 ml of peroxide) may be used to destroy the peroxide.

SEE EQUIPMENT MANUAL AND MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

Environmental Hazards Do not discharge effluent containing these products into lakes, streams, ponds, oceans, or public waters unless these products are specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage authority. For guidance contact your State Water Board or Regional Office U.S. Environmental Protection Agency.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For use as a mold control and mold inhibitor during remediation of sealed, dry pre-cleaned enclosures located in industrial, commercial and institutional settings (including production operations in pharmaceutical manufacturing including clean rooms, laboratories, animal research facilities, hotel rooms, offices, cruise ships, and recreational facilities). This product is not intended for use on or to control mold on textiles or hard porous surfaces. Use only with BIT Hydrogen Peroxide 7.5% Ready-To-Use application equipment. This product is used to treat wood, wallboard, concrete, and masonry (cinder) block building materials which have been painted, coated or sealed. This product is intended to control and inhibit mold and mildew for aesthetic purposes only. Before applying this product, visible mold growth must be removed, and conditions favorable to mold growth must be identified and corrected. DO NOT use on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

REMEDIAL TREATMENT This product must be used as part of a comprehensive mold remediation or water damage restoration program, including:

- Periodic monitoring and inspection of conditions favorable to mold growth such as moisture ingress and high relative humidity
- Effecting repairs as necessary to eliminate conditions favorable to mold growth
- Drying of affected areas to below 20% moisture content

The following associations and Internet sites should be consulted for information on standards and guidelines for remedial treatment of mold and mildew:

- IAQA-Indoor Air Quality Association (www.iapa.org)
- EPA-Environmental Protection Agency (www.epa.gov)
- DOH-New York City Department of Health (www.ci.nyc.ny.us/html/doh/html/eoilmoldrpt%ml)
- IICRC-Institute of Inspection, Cleaning and Restoration Certification

For use in pre-cleaned enclosures up to 4,000 ft³. The use rate to achieve a minimum 600 ppm hydrogen peroxide is approximately 0.4 ML of product per ft of enclosure volume to achieve a dose of 600 PPM hydrogen peroxide of enclosure, which should be maintained for a 20 minute contact time. The product is to be used as packaged and is not to be diluted in any way. Use an appropriate volume of the product in the fogger to ensure that the hydrogen peroxide concentration in the room remains at 600 ppm for at least 20 minutes. The quantity of product required to achieve 600 PPM hydrogen peroxide may vary according to the enclosure being treated. Prior to use of the product for a particular enclosure test the fogger and product to determine the volume of product needed to maintain the atmospheric hydrogen peroxide concentration of 600 ppm at the current room temperature and humidity. Appropriate dose application can be verified using exposure time and PPM hydrogen peroxide. Chemical Indicators (CIs) may also be used as an adjunct to exposure time and PPM. See package insert for details on dose application verification. Shade from radiant heat and direct sunlight. Store away from powdered metals and permanganates. This product is for use in BIT Hydrogen Peroxide 7.5% Ready-To-Use application equipment only, and by trained personnel trained by BINARY IONIZATION, INC. Read and follow package insert for complete directions on cleaning, sealing and use of BIT Hydrogen Peroxide 7.5% Ready-To-Use in monitored and non-monitored applications. See Equipment User Manual for operating procedures of the BIT Hydrogen Peroxide 7.5% Ready-To-Use application equipment. Do not use this product without development of an appropriate fumigation plan (see package insert). Not for use as a terminal sterilant or high-level disinfectant for reprocessing of critical or semi-critical medical devices.

STORAGE AND DISPOSAL Store containers upright at or below 77° F. Do not freeze. Do not expose to cyanide, hexavalent chromium compounds, other oxidizers, reducers, combustible materials, or flammable vapors.

PESTICIDE DISPOSAL Rinse containers with 20 parts water and then empty into sink with running water. Hydrogen peroxide is classified as a DOT oxidizer and a hazardous waste under U.S. EPA hazardous waste regulations and it is a violation of federal law to improperly dispose of pesticides.

CONTAINER DISPOSAL: Rinse container with running water and dispose of with normal non-incinerated waste.

Product No. SM001

Lot #

Product Made in U.S.A.

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EPA Letter Dated:
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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 83046-1