



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

EPA Reg. Number:

90920-1

Date of Issuance:

12/21/16

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Bio-Oxygen Chem Decon Part A

Name and Address of Registrant (include ZIP Code):

Artemis BioProducts LLC  
Delta Analytical Corp.  
12510 Prosperity Drive, Suite 160  
Silver Spring, MD 20904

**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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

John Hebert, Branch Chief  
Regulatory Management Branch I, Antimicrobials Division  
(7510P)

Date:

12/21/16

2. You are required to comply with the data requirements described in the DCI identified below:

a. ADBAC                      GDCI-069105-30882

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 90920-1.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated May 24, 2016

If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Enclosure: Approved label

# Artemis BioProducts LLC

## BIO-OXYGEN® CHEM DECON Part A

### Active Ingredient:

Alkyl (50% C14, 10% C16, 40% C12,)

Dimethyl benzyl ammonium chlorides ..... 3.2%

Other Ingredients: ..... 96.8%

Total: ..... 100.0%

### KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
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. Call a poison control center or doctor for further treatment advice.
IF ON SKIN	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

See Back [Side] Panel for Additional Precautionary Statements

### NET CONTENTS:

EPA Reg. No. 90920- (Part A)

EPA Est. No.

[Manufactured [for]] [by] Artemis BioProducts LLC

960 N Industrial Dr.

Elmhurst, Illinois 60126

Questions? 630.359.4090 or [Info@artemisbiosolutions.com](mailto:Info@artemisbiosolutions.com)

U.S. Patent No. 6,566,574 B1 Made in USA

BIO-OXYGEN® CHEM DECON is commercially manufactured using the Formula licensed by



Sandia National Laboratories

**ACCEPTED**

Dec 21, 2016

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 90920-1

90920-1

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wear protective eyewear such as goggles, face shield or safety glasses. Wear chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

*[Below use container handling language appropriate for the size]*

### STORAGE AND DISPOSAL

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

#### STORAGE

Store in a dry place no lower in temperature than 50°F or higher than 120°F.

#### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. 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 nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING

*[For product in containers 5 gallons or less:]*

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Offer for recycling or reconditioning if available. If not available, discard in trash.

*[For product in containers larger than 5 gallons:]*

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Offer for recycling or reconditioning if available. If not available, discard in trash.

**[List of Approved Organisms:]**

[ATCC numbers are required on the master label, but are not required to be listed on the production label]

**FUNGICIDAL**

*Trichophyton interdigitale* [(Athlete's foot fungus)] [ATCC 9533]

*Aspergillus niger* [ATCC 1644]

*Penicillium* variants [ATCC 522620]

**BACTERICIDAL**

*Staphylococcus aureus* [ATCC 6538]

Methicillin-Resistant *Staphylococcus aureus* - MRSA [ATCC 33592]

*Staphylococcus epidermidis* [ATCC 12228]

*Salmonella enterica* [ATCC 10708]

*Pseudomonas aeruginosa* [ATCC 15442]

*Klebsiella pneumoniae* [ATCC 4352]

*Proteus mirabilis* [ATCC 9240]

Vancomycin-Resistant *Enterococcus faecalis* [ATCC 51299]

*Enterobacter aerogenes* [ATCC 15038]

*Escherichia coli* (O157:H7) [ATCC 43888]

*Escherichia coli* (ESBL) [ATCC BAA-196]

*Listeria monocytogenes* [ATCC 19117]

[Choose from the following claims as appropriate, location optional:]

**[ANTIMICROBIAL CLAIMS:]**

Antibacterial

Bactericide [Bactericidal]

Broad Spectrum Biocidal Activity

Cleaner, Fungicide, Disinfectant and Deodorizer

Disinfectant

Disinfects

Disinfects [and] [&] Deodorizes

[BIO-OXYGEN® CHEM DECON] Effectively cleans and disinfects all hard, nonporous surfaces including those in basements and bathrooms as well as metal, plastic and glazed ceramic tile.

BIO-OXYGEN® CHEM DECON is a proven disinfectant, cleaner and fungicide

Shown to be Effective against [*Staphylococcus aureus*], [[MRSA] [Methicillin Resistant *Staphylococcus aureus*]], [*Staphylococcus epidermidis*] [*Salmonella enterica*] [*Pseudomonas aeruginosa*] [*Klebsiella pneumoniae*] [*Proteus mirabilis*] [Vancomycin-Resistant *Enterococcus faecalis*] [*Enterobacter aerogenes*] [[*Escherichia coli*] [(O157:H7)] or [(ESBL)]] [and / or] [*Listeria monocytogenes*]

Fungicide [Fungicidal]

Algaecidal

Kills [Eliminates] Mold and Mildew

Kills [Eliminates] Mildew

Kills Fungi [Such as Those That Cause Athlete's Foot]

Kills Mold Growth

Kills Mold, Mildew [&] [and] Fungus [[The Causative Agent for Athletes' Foot], [*Trichophyton interdigitale*]]

Kills mold and mildew on hard non-porous surfaces including painted fences, aluminum siding, painted and stained wood, painted walls, metal and plastic surfaces, planters boxes, and glazed ceramic tile.

*[FUNGISTAT / MILDEWSTAT CLAIMS:]*

[BIO-OXYGEN® CHEM DECON] Cleans and inhibits the growth of mold and mildew for aesthetic purposes on: *[may choose one or more of the following]* [painted] fences, cement walkways, [aluminum] siding, [painted and stained] wood, [painted] walls, ceramic tile, stucco, planter boxes, terracotta, metal, plastic surfaces.

Cleans and controls mold growth for aesthetic purposes

Cleans and inhibits the growth of mold and mildew for aesthetic purposes

Controls mold, mildew and fungal spores for aesthetic purposes on stained wooden decks, aluminum siding, wood siding and other surfaces

Eliminates the appearance of mold and mildew [on porous and non-porous surfaces]

For aesthetic control and inhibition of mold and fungal spores

For aesthetic control and inhibition of mold and mildew [on porous and nonporous surfaces]

Fungistat [and] [&] Mildewstat for aesthetic purposes

Inhibits and retards growth of mold, mildew and fungus for aesthetic purposes

*[NON PESTICIDAL / GENERAL PRODUCT INFORMATION CLAIMS:]*

A Serious Product for a Serious Problem

Advanced Chemistry for the Professional Remediator

BIO-OXYGEN® CHEM DECON is a breakthrough product based on technology originally developed and patented by Sandia National Laboratories.

BIO-OXYGEN® CHEM DECON is commercially manufactured under a license from Sandia National Laboratories.

BIO-OXYGEN® CHEM DECON is Produced Commercially using the Formula Licensed by Sandia National Laboratories

Cleans [Cleaner]

Cleans [and] [&] Deodorizes

Cleaner [and] [&] Deodorizer

Cleans mold growth on porous and non-porous surfaces

Deodorizes [Deodorizer]

For Indoor[s] and Outdoor[s] [use]

Technology originally developed and patented by Sandia National Laboratories

[This technology is] used by professionals [for remediation] in Schools, Hospitals, Homes, and Commercial Facilities

Use in Schools, Hospitals, Homes, and Commercial Facilities

To Clean: Thoroughly mix EQUAL VOLUMES of PART A and PART B. Prior to use on surfaces, remove gross filth, spray the mixture (Part A and Part B) onto the surface and allow to penetrate (about 2 minutes), and then clean thoroughly.

Stain Removal: Thoroughly mix EQUAL VOLUMES of PART A and PART B. Spray liberally to coat surfaces and allow to remain wet for 30 minutes. Scrub surface with sponge to remove stains.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The product is designed specifically as a general cleaner and disinfectant for use in homes, hospitals, and commercial facilities. It is formulated to disinfect hard, nonporous, inanimate environmental surfaces such as floors, walls, metal surfaces, stainless steel, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, hard nonporous cabinets, and walls of swimming pools. May be used in the kitchen on non-food contact surfaces. If used on food contact surfaces, rinse with potable water prior to food contact. In addition, this product deodorizes areas that are hard to keep fresh smelling including garbage cans, basements, restrooms and areas prone to odors caused by microorganisms.

**BIO-OXYGEN® CHEM DECON USE DIRECTIONS** – BIO-OXYGEN® CHEM DECON is a binary (two part) system. Part A is a surfactant formulation; Part B is a hydrogen peroxide based formulation. Thoroughly mix EQUAL VOLUMES of PART A and PART B. Apply the solution as a spray onto surfaces as directed below. Allow the product to remain on the surface for 10 minutes.

**PRE-CLEANING** - Prior to use on surfaces, remove gross filth; spray the mixture (Part A and Part B) onto the surface and allow to penetrate (about 2 minutes), and then clean thoroughly.

**DISINFECTION** - Follow Pre-Cleaning instructions listed above. To disinfect surfaces, apply the mixture and allow to remain wet with product for 10 minutes. No scrubbing is necessary. The product will not leave grit. The product meets the requirements for hospital use.

When used as directed, BIO-OXYGEN® CHEM DECON has been demonstrated to provide disinfection efficacy on hard non porous surfaces against *[insert organism[s] from approved list]*.

**MOLD & MILDEW:** This product kills mold and mildew on hard non-porous surfaces. Follow Pre-Cleaning instructions listed above, spray and wet all surfaces with BIO-OXYGEN® CHEM DECON. The surface must remain wet for at least 10 minutes. Allow the surface to completely dry. Reapply as necessary.

**FUNGISTATIC / MILDEWSTATIC ACTIVITY:** For aesthetic purposes only. BIO-OXYGEN® CHEM DECON is fungistatic and controls mold and mildew on porous and non-porous surfaces. Follow Pre-Cleaning instructions listed above and remove any mold that can be removed by hand. Apply a blended mixture of equal volumes of BIO-OXYGEN® CHEM DECON Part A and Part B to the affected surface until thoroughly wet. Allow surface to remain wet for at least 10 minutes. Let dry. Reapply as necessary.

**DEODORIZING:** BIO-OXYGEN® CHEM DECON is an effective deodorizer when applied to areas affected with:

Pet odors • Food odors • Putrefying odors • Smoke odors

Always check fabric surfaces for colorfastness when applying BIO-OXYGEN® CHEM DECON. Remove gross filth. To eliminate odors mix equal parts of BIO-OXYGEN® CHEM DECON Part A and BIO-OXYGEN® CHEM DECON Part B and apply to surfaces until they appear wet. Allow product to air dry or surface to remain wet for at least 10 minutes.

**SWIMMING POOL APPLICATIONS** - When used as directed, this product may be used as an algaecide to treat walls of swimming pools.

Algaecide Use - After draining or before filling pool, spray and scrub walls with product. Allow to remain on surface for 30 minutes prior to rinsing.