



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

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

EPA Reg. Number:  
66675-1

Date of Issuance:  
AUG 10 2010

Term of Issuance:  
Conditional

Name of Pesticide Product:  
MAGNA-BON BACTRIN

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ms. Susan Wright  
Magna-Bon II, LLC  
1531 NW 25TH Drive  
Okeechobee, FL 34972

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 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.

Based on your response to the Copper RED, the EPA has reregistered this product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g) (2) of the Federal Insecticide, Fungicide and Rodenticide Acts, as amended. Registration under this section does not eliminate the need for continual reassessment of pesticides. The EPA may require submission of data at any time to maintain the registration of the subject product.

As specified in the acute toxicity review the following changes should be made to the label.

- 1. A Note to Physician must be added to the label and must read:

"Note to Physician  
Probable mucosal damage may contraindicate the use of gastric lavage."

Signature of Approving Official:

Marshall Swindell  
Product Manager, Team 33  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Date:

AUG 10 2010

- 2. Based on toxicity ranking per the acute toxicity review, the First Aid statements should be placed on the label in the following order and the heading "IF ON SKIN must be revised to read "IF ON SKIN OR CLOTHING:

"IF ON SKIN OR CLOTHING..."

"IF IN EYES ..."

"IF SWALLOWED..."

"IF INHALED..."

- 3. The Environmental Hazards text currently on the label must be revised to read:

"Environmental Hazards

For terrestrial use:

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

For Aquatic use:

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 54 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required. Certain water conditions including low pH (5.6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms."

Note: The text "This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance... For guidance contact your State Water Board or Regional Office of the EPA" may be retained on the label but must be relocated to the Environmental Hazards section of the label.

- 4. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

"DANGER

Corrosive. Fatal if absorbed through skin. Causes irreversible eye damage. Causes skin burns. Do not get on skin, in eyes, or on clothing. Harmful if swallowed."

- 5. Per the acute toxicity review and the RED, the PPE section must be revised to read:

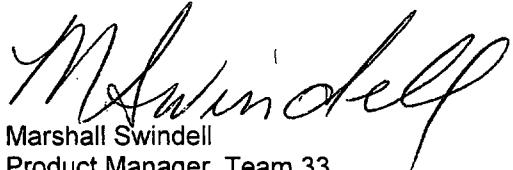
- Coveralls over long-sleeved shirt and long pants,
- Goggles or face shield,
- Chemical resistant footwear plus socks,
- Chemical resistant gloves made of any waterproof material,
- Chemical-resistant apron for mixing, loading and cleaning equipment, and
- Chemical-resistant headgear for overhead exposure."

- 6. Per the RED, add "Wash the outside of gloves before removing" to the User Safety Recommendation text currently on the label.
- 7. Per the product chemistry review, it is recommended that the Storage and Disposal statements be presented in a text box for increased prominence.
- 8. Per the RED, the text "Do not apply this product in a way that will contact adults, children or pets, either directly or through drift" currently on the label must be revised to read:

"Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation."

The text "Do not enter or allow others to enter until sprays have dried" must be added to the label. For additional labeling clarity and consistency, please refer to the enclosed EPA reviews. Submit three (3) copies of the revised labeling bearing the labeling revisions listed above. If you have any questions concerning this matter, please contact me at (703) 308-6341 or by email at [swindell.marshall@epa.gov](mailto:swindell.marshall@epa.gov) or ShaRon Carlisle at (703) 308-6427 or by email at [carlisle.sharon@epa.gov](mailto:carlisle.sharon@epa.gov).

Sincerely,



Marshall Swindell  
Product Manager, Team 33  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosures

4/10

09-08-10

**MAGNA-BON  
BACTRIN  
ALGICIDE/BACTERICIDE**

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**AUG 10 2010**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. *66675-1*

5/10

# FOR SEWAGE DISPOSAL RESERVOIRS AND LIVESTOCK WASTE LAGOON/PITS

Active Ingredient:	
Copper Sulfate Pentahydrate*.(CAS. No. 7758-99-8).....	19.8%
Other Ingredients: .....	80.2%
Total.....	100.0%

\*Equivalent to 5.0% metallic copper  
A Chelated Copper Product

EPA REG. NO. 66675-1  
EPA EST. NO. 66675-FL-001  
LOT NO. \_\_\_\_\_

Net Contents: 1 U.S. Gallon 9.45 Liters  
9.9 Lbs. Per U.S. Gallon 1.188 kg/l

Manufactured by: Magna-Bon II, LLC.  
1531 NW 25<sup>th</sup> Drive  
Okeechobee, Fl. 34972-2046  
1-863-357-0400

## KEEP OUT OF REACH OF CHILDREN DANGER

Si usted no entiende la etiqueta, busque a alguien para se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
AUG 10 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 66675-1

<b>FIRST AID</b>	
<b>If on Skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then, continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to do so.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>Note to Physician:</b> Probable mucosal damage may be contra indicate the use of gastric lavage.</p> <p><b>Hot Line Number</b>          Have the product container with you when calling a poison control center or doctor or going for treatment. You may also contact <b>1-800-424-9300</b> (Chemtrec) for emergency medical treatment information.</p>	

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulations. Do not enter or allow others to enter until sprays have dried. Do not contaminate water when disposing of equipment washwaters or rinsate.

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 with COMMENTS  
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 AUG 10 2010

*Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 66675-1*

**PRODUCT USES:** Magna-Bon Bactrin is a copper sulfate pentahydrate used for sewage disposal reservoirs and livestock waste lagoons/pits.

**FOR GENERAL BACTERIAL ODOR CONTROL:** Application should be made by pouring Bactrin directly from the container into the pit or lagoon. Several application points speed up the dispersal. Use one (1) gallon Bactrin full strength in sixty thousand (60,000) gallons (8,000 cu. ft) of sewage. For fastest results, dispense Bactrin evenly throughout the sewage. Repeat application when odors reoccur.

**FEEDLOT RUNOFF LAGOONS:** Add a portion of the required dosage of Bactrin at several locations around the lagoon to speed up dispersal of the product. Additional applications may be required as needed when odor reoccurs or when new sewage is added to the lagoon.

**ANIMAL CONFINEMENT PITS:** If pits are located under or outside the confinement buildings, add Bactrin directly to these pits or to the transfer lines into the pits.

**OTHER ORGANIC SLUDGE:** Bactrin must be thoroughly mixed with the sludge. Apply at the rate of one (1) gallon Bactrin to sixty thousand (60,000) gallons of sludge.

### GENERAL ALGAE/BACTERIA CONTROL

For algae/bacteria control, apply in late spring or early summer when algae and bacteria first appear. The dosages are variable and depend upon algae/bacteria species, water hardness, water temperature, amount of algae/bacteria, as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with a temperature above 60°F or 15.6°C. Higher dosages are required at lower temperatures, higher algae/bacteria concentration, and for hard waters. Application should be done by pouring Bactrin directly from the container into the lagoons, reservoirs or pits. Several application points speed up dispersal. Static water requires less chemical for algae/bacteria control than does flowing water. Use higher dosages for Chara, Nitella and filamentous algae (pond scum), and lower dosages for planktonic algae. If there is uncertainty about the dosage, begin with a lower dose and increase until control is achieved or until maximum allowable level has been reached.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:**

- Store in a safe place away from PETS AND KEEP OUT OF THE REACH OF CHILDREN.
- Store away from excessive heat.
- Bactrin will freeze.
- Always keep container closed.
- Store Bactrin in its original container only.
- Bulk Bactrin shall be stored and handled in 316L stainless steel, fiberglass, PVC's, polypropylene, or plastic equipment.
- Keep away from galvanized pipe and other nylon storage equipment.

ACCEPTED  
COMMENTS

EPA Letter Dated:

AUG 10 2010

### STORAGE and DISPOSAL (cont'd)

#### Pesticide Disposal:

- Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- **If empty:** Do not reuse this container. Place in trash or offer for recycling if available.
- **If partially filled:** Call your local solid waste agency for disposal instructions.
- Never place unused product down any indoor or outdoor drain.
- Excess Bactrin should be disposed of through label use.
- Do not contaminate lakes, rivers, or streams as this may cause fish kill.
- Pesticide wastes are hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law.
- If these wastes cannot be disposed of according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.
- In the event of a spill, neutralize with limestone or baking soda before disposal.
- Concentrate may deteriorate concrete.

#### Container Disposal:

- Do not reuse empty container.
- Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.
- Rinsing and reuse of totes is permissible.

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

#### DANGER

Corrosive. Fatal if absorbed through the skin. Causes irreversible eye damage. Causes skin burns. Do not get on skin, in eyes, or on clothing. Harmful if swallowed.

#### Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear the following:

- Coveralls over long-sleeved shirt and long pants.
- Goggles or face shield.
- Chemical resistant footwear plus socks.
- Chemical resistant gloves made of a waterproof material.
- Chemical resistant apron for mixing, loading and cleaning equipment and
- Chemical resistant headgear for overhead exposure.

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with COMMENTS  
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### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with product's concentrate. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

Users should wash has before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Wash the outside of gloves before removing.

Do not enter or allow others to enter until sprays have dried.

### ENVIRONMENTAL HAZARDS

For Terrestrial use:

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in waters adjacent to treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

For Aquatic use:

This pesticide is toxic to fish and aquatic vertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and organisms can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required. Certain water conditions including low pH (5-5.6), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e. alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.

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with COMMENTS

EPA Letter Dated:  
AUG 10 2010

## APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment **must** consist of either fiberglass, PVC's, polypropylene, viton, most plastics or 316L stainless steel. Never use mild steel, nylon, brass, or copper around full strength Bactrin. Always rinse equipment free and clean of Bactrin with plenty of fresh clean water. Concentrated will destroy cotton and nylon clothing. Always store Bactrin above 32°F. Do not allow Bactrin to freeze. Freezing may cause separation. Seller makes no warranty for the performance of product that has been frozen.

**NOTE:** 1 C.F.S./hr. = 27,000 gallons  
1 ACRE FOOT = 326,000 gallons

## LIMITED WARRANTY AND LIMITATION OF REMEDIES

Seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on the label for use under normal conditions, but makes no other warranties of FITNESS OR MERCHANTABILITY expressed or implied, or any other warranty if the product is used contrary to the label instructions or under abnormal conditions not foreseeable to the seller. In no case shall the seller be liable for more than the cost of the product to the buyer, and will in no event be liable for any consequential, special or indirect damages connected with the use or handling of this product. This product is offered and the buyer or user accepts its subject to the forgoing terms which may not be varied.

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Fungicide, and Rodenticide Act as  
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