

70299-4

10-31-2003

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United States Environmental Protection Agency Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70299-4	2. EPA Product Manager Sheryl Reilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) GreenClean Granular	PM# Biochemical Pesticides Br/BPPD	
5. Name and Address of Applicant (Include ZIP Code) BioSafe Systems 36 Commerce Street Glastonbury, CT 06033 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
Date Reviewed: 10/31/03

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Notification of an alternate brand name per PR 98-10.

Reviewed By: *sdh*

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> on container label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Amy Plato Roberts	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8964
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<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Consultant	
4. Typed Name Amy Plato Roberts	5. Date June 10, 2003	

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GreenClean® Granular

(Alternate Brand Name: GreenClean® Granular Algaecide)

- * Algaecide
- * For use in Ponds, Lakes, Lagoons, Water Gardens, Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Bird Baths, Irrigation Systems, Irrigation Ponds, Golf Course Ponds, Farm Ponds, Industrial/Commercial Ponds, Impounded Waters, Standing Water, Bilge Water, Non-Potable Water Reservoirs, ~~Waterways, Conveyance Ditches, Canals, Laterals, Drainage Systems,~~ Catch Basins, Flooded Areas, Sewage Systems, Drain Fields, Fire Ponds, Watering Tanks (Non-Potable Water), Storage Tanks, Water Collectors and Domestic/Commercial Non-Potable Waters
- * For use on Non-Painted: Floors, Walkways, Storage Areas, Patios, Decks, Railings, Roofs, Asphalt Shingles, Siding, Fiberglass, Boats, Piers, Docks, Stairs, Ramps, Ground Cover Mats, Weed Control Mats, Concrete, Brick, Tile, Slate, Granite, Statues/Monuments, Outdoor Furniture, Tennis Courts (non-grass), Nursery Yards, Shorelines, Gravel, Dirt Floors, Under Benches, and Other Non-Painted Surfaces
- * For indoor or outdoor horticultural, agricultural and commercial uses.

Active Ingredient:
 Sodium Carbonate Peroxyhydrate* 50.00%
Other Ingredients: 50.00%
Total: 100.00%

*Contains 27.60% Hydrogen Dioxide by weight.

NOTIFICATION

Date Reviewed: 10/31/03
 Reviewed By: sdh

**KEEP OUT OF REACH OF CHILDREN
 DANGER – PELIGRO**

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

EPA Registration No. 70299-4
EPA Establishment No. 68660-TX-001

Manufactured by:
 BioSafe Systems
 36 Commerce Street
 Glastonbury, CT 06033

Net Contents:

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 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 swallowed	<ul style="list-style-type: none"> • Call 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 center or doctor. • Do not give anything by mouth to an unconscious person.
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 treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.</p>	
NOTE TO PHYSICIAN	
<p>Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS – DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE): When handling wear protective eyewear (goggles or face shield) and chemical resistant gloves. Applicators and handlers must wear coveralls over long-sleeved shirt, long pants, and chemical resistant footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS: Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles. This product is highly toxic to bees and other beneficial insects exposed to direct contact on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not apply this product or allow it to drift to crops where beneficials are part of an integrated pest management strategy.

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PHYSICAL AND CHEMICAL HAZARDS: Strong oxidizing agent. **Corrosive.** Do not bring in contact with other pesticides, cleaners or oxidative agents.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted entry intervals (REI). The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

For enclosed environments:

There is a restricted entry of one (1) hour for this product when applied via spraying or foaming on hard surfaces in enclosed environments. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls, waterproof gloves and shoes plus socks.

There is a restricted entry of zero (0) hours for spreading, broadcasting, spot treatment, injection or other non-spraying or non-foaming application methods when used in enclosed environments.

For water treatment and applications in non-enclosed environments:

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

Apply GreenClean Granular to any water or surface sites except treated, finished drinking water reservoirs or drinking water receptacles.

* Some application sites include:

AGRICULTURAL

Farms, Sod Farms, and Irrigation Systems.

HORTICULTURAL & COMMERCIAL

Greenhouses, Nurseries, Golf Courses, Amusement Parks, Water Parks, Aquariums, Zoos, Botanical Gardens, National Parks, Recreational Areas, Non-Chlorinated Swimming Areas,

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Raceways, Sports Facilities, Business Parks, Residential Developments, Indoor/Interiors, Malls, Hotels, Kennels, Cemeteries, Carwashes, Marinas, Boats, Docks, Garden Centers, Power Washing, Water Gardens, Landscapes, Municipalities, Waterways, Storm Waters, Drainage Systems, Impounded Waters, Wastewater, and Irrigation Systems.

WATER TREATMENT:

Use GreenClean Granular to treat, control, and prevent a broad spectrum of algae. Effects of treatment are immediately apparent (bubbling, bleaching/discoloration of algae, floating of dead organic matter). Waters treated with GreenClean Granular are permissible to be used without interruption.

DETERMINING WATER VOLUME

Measure length (L), width (W), and average depth (D) in feet (ft) or meters (m) and calculate volume using one of the following formulas:

Square/Rectangular:

$L(ft) \times W(ft) \times D(ft) \times 7.5 = \text{Gallons}$
 $L(m) \times W(m) \times D(m) \times 1000 = \text{Liters}$

Circular/Elliptical:

$L(ft) \times W(ft) \times D(ft) \times 5.9 = \text{Gallons}$
 $L(m) \times W(m) \times D(m) \times 786 = \text{Liters}$

1 acre-foot of water =

- water measuring 208.7 ft long x 208.7 ft wide x 1 ft deep
- 43,560 cubic feet
- 325,851 gallons
- 2,780,000 pounds

$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)} \times \text{Avg. Depth (ft)}}{43,560} = \text{acre-feet of water}$

$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)}}{43,560} = \text{acres}$

APPLICATION RATES

Full Water Volume Rates:

	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR: Lg. Volume	90-500 pounds of GreenClean Granular per million gallons of water. - or - 30-170 pounds of GreenClean Granular per acre-foot of water.	9-50 pounds of GreenClean Granular per million gallons of water. - or - 3-17 pounds of GreenClean Granular per acre-foot of water.
For example: Lakes, ponds, lagoons		
GRANULAR: Sm. Volume	3-16 tablespoons of GreenClean Granular per 1000 gallons of water. (16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	1-5 teaspoons of GreenClean Granular per 1000 gallons of water. (3 tsp. = 1 Tbs.)
For example: Indoor or outdoor water gardens, fountains, ornamental waterfalls		

Surface Water Volume Only Rates:

Use a "surface only" treatment for suspended algae and free-floating algae mats.

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	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR:	30-170 pounds of GreenClean Granular per acre-foot of water.	3-17 pounds of GreenClean Granular per acre-foot of water.
LIQUID:	Solution Preparation:	
	Due to solubility limitations, use at least 1 gallon of water to fully dissolve each 0.5 pounds of GreenClean Granular.	
	Dissolution of GreenClean Granular in cold water takes approximately 5 minutes.	
	Treatment Rates:	
	Use the same rates as the granular application given above.	

GENERAL TREATMENT NOTES

- Control is most easily achieved when algae are not yet well established. Treat when growth first begins to appear. This is especially important in the prevention of clogged irrigation systems, pumps, filters etc.
- Apply early in the day under calm, sunny conditions, and when water temperatures are warm. Sunlight and higher temperatures both enhance GreenClean Granular activity.
- Apply in a manner that will insure even distribution of GreenClean Granular within the treatment area.
- Break up any heavy floating algae mats before or during application.
- Skim any dead algae and organic matter that rises to the water's surface after treatment. Allowing dead organics to sink and decay will provide a food source and additional nutrients that stimulate algae re-growth and further blooms.
- Use GreenClean Granular as an integral part of your water management system. If using in conjunction with other water additives (such as bacteria or enzymes), always apply GreenClean Granular first and wait several hours before adding any other products.
- Re-treat areas if re-growth begins to appear. Allow 48 hours between consecutive treatments.
- Maintain an algae free pond with GreenClean Granular maintenance rates at a frequency appropriate for your environmental conditions.
- In regions where water freezes in the winter, treatment with GreenClean Granular (including skimming) 6-8 weeks before expected freeze will help prevent masses of decaying algae under the ice cover.
- After application, do not allow undiluted granules to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with grass, ornamentals and other foliage.
- Do not tank mix with aquatic herbicides or algaecides containing copper or bromides. Always apply GreenClean Granular at least one day prior to the application of these products.
- 100 pounds of GreenClean Granular per million gallons of water = 4ppm of sodium.

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EFFECTIVENESS FACTORS

- Effects of GreenClean Granular treatment are immediately apparent (bubbling, bleaching/discoloration of algae, floating dead organic matter).
- **GreenClean Granular treatments are successful when contact of the pesticide is made with the algae.**
- Liquid applications will not sink through the water column as readily as a granular application.
- When treating surface mats and blooms, it is possible that GreenClean Granular will not penetrate the water column below the infested area, and a second application is then required for treating any bottom growing algae.
- Apply more frequently during the summer months when water consumption and temperatures are high.

APPLICATION METHODS

In bodies of water where an aerator is available, and when treating the entire water volume, dose GreenClean Granular at the edges, or in the turbulence created while the aerator runs to facilitate rapid and adequate mixing.

SPREADING / BROADCASTING:

Broadcast GreenClean Granular with a mechanical spreader or by hand, directly on the water surface, from shore or from a properly equipped boat.

SPOT TREATMENT:

Apply GreenClean Granular directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID:

Make a solution with GreenClean Granular (refer to liquid application rates). Spray this solution on the water surface from shore or a properly equipped boat. When using this method, the wind direction is important as well as the operation of the boat. If using a slurry, agitate constantly.

INJECTION:

Make a solution with GreenClean Granular (refer to liquid application rates). Inject this solution into the water via a piping system.

SUBSURFACE:

Place GreenClean Granular in burlap bags and drag through the water by means of a boat. Use granular application rates. Begin treatment along the shoreline, and proceed outward. The path of the boat shall insure an even distribution. Continue dragging until all GreenClean is dissolved.

SURFACE TREATMENT:

Use GreenClean Granular on all non-painted surfaces, to prevent and control algae, moss, liver worts, slime molds and their spores, and the odors and conditions that these organisms cause (such as the breeding grounds for pests such as shore flies and fungus gnats).

APPLICATION RATES

Ground/Surface Rates:

	HEAVY GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR:	2-3 pounds of GreenClean Granular per 1000 square feet of area.	1-2 pounds of GreenClean Granular per 1000 square feet of area.
	(1 lb. = 2 cups)	(1 lb. = 2 cups)
	Make granular applications over a wet surface or activate with water immediately following application.	
LIQUID:	Solution Preparation:	
	Due to solubility limitations, it is necessary to use at least 1 gallon of water to fully dissolve each 0.5 pounds of GreenClean Granular.	
	Dissolution of GreenClean Granular in cold water takes approximately 5 minutes.	
	Treatment Rates:	
	Use the same rates as the granular application given above.	
	(For example: To treat a heavy algae infestation on a 1000 square foot area, dissolve 2 pounds of GreenClean Granular in 4 gallons of water – up to 3 pounds of GreenClean Granular in 6 gallons of water).	
FOAM:	Solution Preparation:	
	Follow the Liquid solution preparation instructions above.	
	Add 2.0 - 5.0 fluid ounces of an alkaline-based foam, such as BioSafe Systems "Alk-A-Foam", per gallon of finished solution.	
	Treatment Rates:	
	Use the same rates as the granular/liquid application given above.	

GENERAL TREATMENT NOTES

- Control is most easily achieved when growth is not yet well established. Treat when growth first begins to appear.
- Apply in a manner that will insure even distribution of GreenClean Granular within the treatment area.
- GreenClean Granular is water activated. Watering before application is preferred over misting after application because it prevents over watering leading to a reduced effectiveness.
- Use GreenClean Granular in conjunction with ZeroTol® Broad Spectrum Algaecide/Fungicide and TerraCyte® as part of a comprehensive cleanliness/treatment program.
- When applying GreenClean Granular to soil, gravel or other similar media, incorporate the application of GreenClean Granular into the first inch of substrate for optimum effectiveness.
- To maintain clean surfaces, apply GreenClean Granular at maintenance rates every 5-7 days or as needed to control new or established conditions.
- After application, do not allow undiluted granules to remain in an area where humans or animals are exposed.

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- Non-target plants will suffer contact burn if undiluted granules are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with grass, ornamentals and other foliage.
- Do not tank mix with aquatic herbicides or algaecides containing copper or bromides. Always apply GreenClean Granular at least one day prior to the application of these products.

APPLICATION METHODS

SPREADING / BROADCASTING:

Broadcast GreenClean Granular with a mechanical spreader or by hand. A lawn spreader or any other applicator that will insure uniform coverage is acceptable.

SPOT TREATMENT:

Apply GreenClean Granular directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID:

Make a solution with GreenClean Granular (refer to liquid application rates). Spray this solution on the desired treatment surface.

FOAM:

Make a solution with GreenClean Granular (refer to foam application rates). Spray this solution on the desired treatment surface. Use a foamer, such as the BioSafe BioFoamer, to apply.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinses (or equivalent). Then offer for recycling or dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, condition of crop, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. Buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.**



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WASHINGTON

1101 17th Street, N.W.
Suite 500
Washington, D.C. 20036
Telephone 202 223-4392
Fax 202 872-0745

Sheryl Reilly, Branch Chief
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division (7511C)
Office of Pesticide Programs, EPA
1921 Jefferson Davis Highway
Arlington, VA 22202

June 10, 2003

**RE: GreenClean® Granular
EPA Reg. No. 70299-4**

Notification of an Alternate Brand Name

SAN FRANCISCO

220 Montgomery Street
Suite 1081
San Francisco, CA 94104
Telephone 415 421-7200
Fax 415 421-7225

Dear Dr. Reilly:

Enclosed with this letter you will find the following in support of a label notification for the above referenced product:

- 1) EPA Notification Form (8570-1)
- 2) One copy of the label with the Alternate Brand Name highlighted in shading.

In accordance with PR Notice 98-10 this notification is to add the following Alternate Brand Name to the product label:

GreenClean® Granular Algaecide

If you have any questions or comments, please let me know directly.

SACRAMENTO

712 Fifth Street
Suite A
Davis, CA 95616
Telephone 530 757-1298
Fax 530 757-1299

Sincerely,

A handwritten signature in black ink, appearing to read "Amy Plato Roberts", written over a horizontal line.

Amy Plato Roberts
Regulatory Consultant for BioSafe Systems
Direct dial (202) 828-8964; email aroberts@tsgusa.com