

70299-16

02/02/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

BioSafe Systems
22 Meadow Street
East Hartford, CT 06108

FEB - 2 2010

Attention: Donna Bishel

Subject: GreenClean 6% Liquid
EPA Registration No. 70299-16
Notification Dated January 11, 2010

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification

Additional Brand Names

GreenClean for Ponds
GreenClean FX hardscapes
GreenClean FX Liquid Algacide
GreenClean FX Moss, Mold and Mildew Treatment
GreenClean Zeritol Ready to Spray Turf and Ornamental

General Comments

Based on a review of the submitted material, the following comments apply:

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in cursive script, appearing to read "Martha Terry" or "Marshall Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

2/19



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70299-16	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) GreenClean 6% Liquid	PM# 33/AD	
5. Name and Address of Applicant (Include ZIP Code) BioSafe Systems 22 Meadow Street East Hartford, CT 06108 <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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION to add alternate brand names per PR Notice 98-10. Refer to attached cover letter for details.

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 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 PRN Notice 98-10, and 40 CFR 152.46, this product may be in violation of FIFRA and 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:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container
		If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 16 oz., 32 oz., 1 and 5 gallon	
		5. Location of Label Directions <input checked="" type="checkbox"/> on container label	
6. Manner in Which Label is Affixed to Product <input checked="" 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 Donna Bishel / dbishel@biosafesystems.com		Title Technical Director	
		Telephone No. (Include Area Code) (410) 878-7700	
Certification 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.			6. Date Application Received (Stamped)
2. Signature 		3. Title Technical Director	
4. Typed Name Donna Bishel / dbishel@biosafesystems.com		5. Date January 11, 2010	



22 Meadow Street
 East Hartford, CT 06108
 Phone: 860.290.8890
 Fax: 860.290.8802
 Solutions@BioSafeSystems.com
 www.biosafesystems.com

Marshall Swindell
 Product Manager 33
 Antimicrobial Division (7504P)
 Office of Pesticide Products
 U.S. Environmental Protection Agency
 Room S-4900, One Potomac Yard
 2777 South Crystal Drive
 Arlington, VA 22202-4501

January 11, 2010

**RE: GreenClean 6% Liquid
 EPA Registration No. 70299-16**

Notification to add alternate brand names per PR Notice 98-10

Dear Mr. Swindell:

BioSafe Systems is submitting the enclosed notification to revise the following for the above referenced product:

- Page 1 of the Master Label – Addition of new Alternate Brand Names.

Enclosed with this submission you will find the following:

- 1) Notification form
- 2) One (1) copy of the revised label with all changes highlighted in redline.
- 3) Three (3) clean copies of the label.

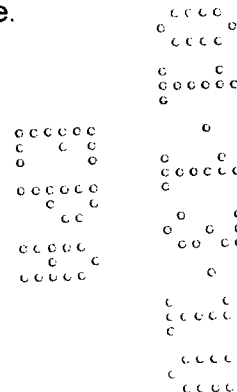
All of these changes are:

- a. Consistent with PR Notice 98-10 and 40 CFR Part 156; and
- b. Involve no change in the ingredients statement, signal word, use classification, precautionary statements, First Aid, physical/ chemical/ biological properties, storage and disposal, or directions for use advisory and mandatory language.

Please contact me directly if you have any questions or comments.

Sincerely,

Donna Bishel
 Technical Director for BioSafe Systems
 Direct dial (410) 878-7700; email dbishel@biosafesystems.com



GreenClean 6% Liquid

(Alternate Brand Names: GreenClean 6% Liquid Microbiocide, OxiDate Ready To Spray, ZeroTol Ready To Spray
GreenClean FX, GreenClean for Ponds, GreenClean FX Hardscapes, GreenClean FX Liquid Algaecide,
GreenClean FX Moss, Mold, and Mildew Treatment, ZeroTol Ready to Spray Turf & Ornamental)

Sublabel A: Commercial Directions for Use

Sublabel B: Residential Directions for Use

ACTIVE INGREDIENTS:

Hydrogen Peroxide.....5.34%

Peroxyacetic Acid1.36%

OTHER INGREDIENTS:93.30%

Total: 100.00

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.)

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 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 mouth-to-mouth if possible.• Call 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.• Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
NOTE TO PHYSICIAN - Probable mucosal damage may contraindicate the use of gastric lavage.	

Sold by: BioSafe Systems, 22 Meadow Street, East Hartford, CT 06108
(888) 273-3088

EPA Registration No.: 70299-16

EPA Establishment No.: EPA Est. No. : 070299-CT-001, 067441-IL-001

GreenClean 6% Liquid; EPA Reg. No. 70299-16
Label version (2) Redline Copy dated January 11, 2010

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Net Contents: (16 fl oz, 32 fl oz, 1 and 5 gallon(s))

Sublabel A: Commercial Directions for Use

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS- DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or shielded safety glasses). Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray. Wash thoroughly with soap and water immediately after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. When prolonged or repeated contact may occur, use chemically resistant gloves and full body clothing.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters or rinsate. [For 5 gallon products only] Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Corrosive. Strong oxidizing agent. Do not use in concentrated form. Mix only with water in accordance with label instructions. Never bring concentrate 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. 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.

GreenClean 6% Liquid should not be combined or mixed with any other pesticide concentrates.

GreenClean 6% Liquid is not to be used in an aquaculture setting.

This product is not intended as treatment against any public health organism for any use on this label.

WATER TREATMENT

CONTAINED WATERS - To suppress, control and prevent algae and cyanobacteria in contained waters such as Water Gardens, Fish Ponds, Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Watering Tanks, Storage Tanks, Water Collectors and Domestic/Commercial Waters. Waters treated with GreenClean 6% Liquid 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:

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

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

Avg. Length (ft) x Avg. Width (ft)

43,560 = acres

APPLICATION METHODS

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

Spot Treatment: Apply GreenClean 6% Liquid directly over the infested area. Re-treatment is required when heavy growth occurs.

Liquid Treatment: Spray solution on the water surface from shore or a properly equipped boat.

Injection Treatment: Inject solution into the water via a piping system.

APPLICATION RATES

Algae Density	Teaspoons GreenClean 6% Liquid / 50 gallons	Fluid Ounces GreenClean 6% Liquid / 500 gallons	Dilution Rate	PPM Peroxyacetic Acid (AI)	PPM Hydrogen Dioxide (AI)
Low	3	5	1:12,600	1.1	3.8
Moderate	5	8.3	1:8100	1.6	6.6
High	7	11.6	1:5700	2.4	9.4

EFFECTIVENESS FACTORS

- Effects of GreenClean 6% Liquid treatment are immediately apparent (bubbling, bleaching, & discoloration of algae).
- GreenClean 6% Liquid treatments are successful when contact of the pesticide is made with the algae.
- When treating surface mats and blooms, it is possible that GreenClean 6% Liquid 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 often during the summer months when water consumption and temperatures are high.

STOCK TANKS AND LIVESTOCK WATER- Use GreenClean 6% Liquid to suppress / control algae, bacteria and fungi in stock tanks, stock watering ponds, tanks and troughs, and livestock water. Apply 1-2 fl oz of GreenClean 6% Liquid per 50 gallons of water for algae control. Product can be simply added to the body of waters as the residual control will allow for even distribution throughout the water column. Where existing algae mats are present at time of treatment, the most effective control will be obtained by breaking up mats and/or evenly dispersing diluted GreenClean 6% Liquid over the algae mats. Apply GreenClean 6% Liquid as needed to control and prevent algae growth; apply more frequent applications in times of higher water temperatures.

Drip system application for livestock watering tanks: Tanks fed by a continuous flow of spring or well water can be equipped with a chemical drip system designed to meter in GreenClean 6% Liquid based upon water flow rates. Pre-dilute GreenClean 6% Liquid at a 1:100 rate or 4-mL/minute water flow rate. Treat continuously or as needed to control and prevent algae re-growth.

FOR DRAINAGE DITCHES- Use GreenClean 6% Liquid to treat water to suppress / control algae, bacteria and fungi in drainage water and ditches. For irrigation water, apply 10 to 23 fluid ounces of GreenClean 6% Liquid per 1,000 gallons of water. Product can be simply added to the body of water, as the residual control will allow for even distribution throughout the water column. Apply GreenClean 6% Liquid as needed to control and prevent algae growth; apply more often in times of higher water temperatures.

TREATMENT FOR NON-POTABLE WATER SYSTEMS (wash tanks, dip tanks, drench tanks, evaporators, humidification systems and/or storage tanks) - Treat water to control the growth of spoilage and decay causing non-public health organisms with 0.6 fl. oz. of GreenClean 6% Liquid for every 10 gallons of water or use a dilution rate of 1:2133.

POST HARVEST TREATMENTS

DIRECT INJECTION INTO SPRAY WATERS USED ON PROCESS LINES AND HUMIDIFICATION SYSTEMS - Treat water containing plant pathogens by injecting GreenClean 6% Liquid directly into spray system water with 6 fl. oz. of concentrate for every 100 gallons of water or use a dilution rate of 1:2133. Applicable for use on all types of post-harvest commodities.

DIRECT INJECTION INTO DUMP TANKS, HYDRO COOLERS, SPRAY SYSTEM AND PROCESS WATERS- For treatment of water containing plant pathogens, inject GreenClean 6% Liquid and maintain a predetermined residual level by using metering equipment, coupled with ORP measuring probes.

- 1) Determine biological organic loading prior to treatment if possible.
- 2) For waters that contain low levels of biological and organic loading inject GreenClean 6% Liquid at 21.5 - 7.2 fl. oz. of concentrate for every 100 gallons of water or at a dilution rate of 1:600 -1:1800.
- 3) For clean water, inject 5.4 fl. oz. of GreenClean 6% Liquid for every 100 gallons of water or a dilution rate of 1:2400 to prevent the formation of algae, bacteria and fungi.

POST HARVEST SPRAY TREATMENTS ON PROCESS AND PACKING LINES- Inject GreenClean 6% Liquid directly into spray system water on process and packing lines to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Inject at a rate of 1:150 - 1:600 concentrate to clean water. For best results, where dump tanks are used, make post harvest spray treatment as produce is leaving dump tanks. Applicable for use on all types of post harvest commodities.

POST HARVEST SPRAY TREATMENTS- Use GreenClean 6% Liquid to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Mix 0.85 fl. oz. GreenClean 6% Liquid per gallon of clean water. Spray fruit or vegetables to runoff using hydraulic, backpack, air-assisted or other similar sprayer or foaming device.

TREATMENT OF COOLING WATER SYSTEMS - (such as cooling towers, evaporative condensers) Severely fouled systems should be cleaned before treatment. Discontinue use of chlorine or bromine products prior to using this product. GreenClean 6% Liquid should be added to the system directly and not mixed with other chemicals or additives prior to dosing. Other chemicals should be added separately. Check compatibility of GreenClean 6% Liquid with any other chemicals or additives prior to use. Contamination with certain chemicals could result in lack of efficacy. Add GreenClean 6% Liquid at a point in the system where uniform mixing and even distribution will occur such as the cooling tower basin sump. Shock doses may be applied for 1 to 2 hours, as necessary, whereas intermittent doses are applied for 5 to 60 minutes 1 to 100 times per day. For either shock, intermittent or continuous dosing, apply 12.2 to 85.3 fl. oz of GreenClean Liquid 6% solution per 1,000 gallons of water. This will provide 95 to 667 ppm of total product, or 1 to 9 ppm of 100% peracetic acid. Repeat treatment as required to maintain control.

TREATMENT OF GREENHOUSE EVAPORATIVE COOLERS – Treat contaminated surfaces with a dilution of 1:150 of GreenClean 6% Liquid. For maintenance, treat cooler water once a week with a dilution of 1:12, 600 of GreenClean 6% Liquid for every gallon of cooling water.

TREATMENT OF GREENHOUSE IRRIGATION SYSTEMS - (such as flooded floors, flooded benches, recycled water systems, drip trickle, capillary mats, sprinkler systems, humidification and misting systems) – Treat contaminated water with a dilution of 1:5,700 of GreenClean 6% Liquid. For maintenance, treat clean water with a dilution of 1:12, 600 of GreenClean 6% Liquid as needed.

SURFACE TREATMENT

Use GreenClean 6% Liquid on all listed hard, non-porous surfaces, to suppress/control odor-causing bacteria, algae, fungi, moss, mold and mildew, and the odors and conditions that these organisms cause.

Application surfaces include:

Floors, Walkways, Walls, Storage Areas, Patios, Decks, Railings, Roofs; Asphalt Shingles, Siding, Stairs, Ramps, Sealed concrete, linoleum, formica, vinyl, glazed porcelain, plastic, sealed fiberglass, polyethylene, CPVC, PVC, aluminum, steel, stainless steel, sealed wood, and glass. Brick, Stone, Landscape Pavers, Glazed Tile, Slate, Granite, Statues/Monuments, Outdoor Furniture, Tennis Courts (non-grass), Under Benches.

- 1) Sweep and remove all debris. Use power sprayer to wash all surfaces to remove loose dirt.
- 2) Use a dilution of 1:100 or 1.3 fl. oz. of GreenClean 6% Liquid per gallon of water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits.
- 3) Apply solution with mop, sponge, pump or power sprayer or fogger to thoroughly wet all surfaces.
- 4) Allow to remain wet with solution for one (1) minute.
- 5) Allow items and/or surfaces to air dry. Do not rinse.
- 6) Scrub off heavy growths of algae and fungi following application. Use a solution of GreenClean 6% Liquid to wash away dead growth.

Reapply as often as needed for control.

TREATMENT OF GREENHOUSE SURFACES AND EQUIPMENT – (glazing, plastic, pots, flats, trays, cutting tools, benches, work areas, walkways, floors, walls, fan blades, watering systems, coolers, storage rooms, structures and equipment) – Use GreenClean 6% Liquid to control algal, fungal and slime forming bacterial growth. Clean surfaces before treatment. Sweep and remove all plant debris, and use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:100 or 1.3 fl. oz. of GreenClean 6% Liquid per gallon of water for all non-porous surfaces that have been pre-cleaned with water. Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces. Cutting tools may be soaked to ensure complete coverage. Allow to remain wet with solution for one (1) minute. Allow items and/or surfaces to air dry. Do not rinse. Heavy growths of algae and fungi may have to be scrubbed off following application. Repeat treatment as required to maintain control.

APPLICATION METHODS

SPOT TREATMENT:

Make a solution with GreenClean 6% Liquid (refer to liquid application rates). Apply directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID:

Make a solution with GreenClean 6% Liquid (refer to liquid application rates). Spray this solution on the desired treatment surface using sprayer or power wash equipment.

FOAM:

Make a solution with GreenClean 6% Liquid (refer to foam application rates). Spray this solution on the desired treatment surface. Use a foamer, such as the BioSafe BioFoamer, to apply.

HOSE END SPRAYER:

Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 0.85 fl. oz. per gallon or a 1:150 dilution. Spray this solution on the desired treatment surface.

FOLIAR TREATMENTS

Use GreenClean 6% Liquid as a fungicide/bactericide to treat/control plant diseases on all flowering plants, ornamentals, house plants, vegetable, berry and fruit plants, trees and shrubs.

GreenClean 6% Liquid works immediately on contact with any plant surfaces for the control / suppression of fungi and bacteria: *Botrytis*, Downy Mildew, Powdery Mildew, Leaf Spot, Leaf Blight, *Xanthomonas*, Anthracnose, *Rhizoctonia*, and *Pseudomonas*. Apply GreenClean 6% Liquid to ornamentals, vegetable plants, bedding plants, flowering plants, shrubs, and trees. To ensure that this contact fungicide is effective, thorough coverage and wetting of the foliage is necessary.

Care should be taken when using GreenClean 6% Liquid for curative control of obligate organisms living on the plant tissue (such as downy and powdery mildew). These treatments may result in lesions on plant tissue. GreenClean 6% Liquid will oxidize parasitic organisms living in plant tissue that are not always visible to the naked eye. Resulting oxidative effects may include spotting, or drying of the plant tissue where organisms inhabited tissue.

Spray Application:

Initial Application:

- 1) Use a dilution of 1:150 or 0.85 fl. oz. of GreenClean 6% Liquid to one gallon of water. Do not reuse already mixed solution, make fresh daily.
- 2) Spray, mist or fog plants in early morning or late evening.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks to ensure full contact with plant and flower tissue.
- 4) Apply consecutive applications until control is achieved and then follow directions for preventative treatment.

Weekly Preventative Treatment:

- 1) Use a dilution of 1:200 or 0.64 fl. oz. of GreenClean 6% Liquid per gallon of clean water.
- 2) Spray, mist or fog plants.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks.
- 4) Spray every five to seven days as a preventive treatment.

At the first sign of disease spray daily with a 0.85 fl. oz. per gallon of water for three consecutive days and then resume weekly preventative treatment.

Hose End Sprayer Application:

Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 0.85 fl. oz. per gallon or a 1:150 dilution. Spray solution on all plant surfaces, ensuring complete coverage.

Note: GreenClean 6% Liquid has not been tested on all plant species, it is always advisable to test GreenClean 6% Liquid on a small number of plants before treating large numbers. Do not apply to wilted plants.

TURF TREATMENTS

TURF AND LAWNS - Use on well-established lawns, to control / suppress algae, bacterial and fungal diseases, and the odors and conditions that these organisms may cause.

- Broad spectrum treatment for control of algae, fungi and bacteria on turf, as well as synthetic and artificial turf.
- Use GreenClean 6% Liquid to treat / prevent the bacterial/fungal diseases including but not limited to: *Anthraxnose*, Brown Spot, Dollar Spot, Copper Spot, Summer patch, Strip Smut, Take-All Patch, Leaf Spot, *Fusarium*, Fairy Ring, Pink Snow Mold, *Pythium*, *Phytophthora*, *Rhizoctonia*. Use GreenClean 6% Liquid to treat algae, slime molds and scum.
- For use on all turf types such as commercial turf, lawns, athletic fields and golf course fairways, greens and tees.
- GreenClean 6% Liquid controls on contact.

For Spray Application: Dilute 1.3 fl oz or a 1:100 dilution of GreenClean 6% Liquid per gallon of clean water. Spray this solution on the desired area of the lawn. Three to ten gallons of diluted solution treats approximately 1000 square feet of lawn area.

For Hose End Sprayer Application- Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 1.3 fl. oz. per gallon. Spray solution on all plant surfaces, ensuring complete coverage.

- For best results, apply immediately after grass has been cut.
- Optimum treatment time is early morning or late afternoon.

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.

Pesticide Disposal: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 this procedure two more times.

Container Disposal: **If empty** – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. **If partly filled** – Never place unused product down any indoor or outdoor drain. Batch Code _____

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, method of application, 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.**

Optional Label Claims:

- Microbiocide
- Algaecide
- Fungicide
- Bactericide
- Ready to Spray
- Roofing and Siding Treatment
- Marine and Boat Treatment
- Post Harvest Treatment
- A post harvest treatment for the prevention and control of plant pathogenic diseases on all fruits and vegetables and other agricultural crops in dump tanks, hydro coolers and process waters
- Fast acting moss and algae control
- Heavy moss and algae deposits will often require a second application
- Textured surfaces may require scrubbing
- May discolor copper roofing and trim
- Liquids solutions have six-hour shelf life
- Brightens mold-stained decking and wood
- Kills bacteria and fungi that cause odors
- Maybe used on clay tiles, Terracotta, slate and concrete surfaces
- May be used on cedar shakes, cedar siding, redwood
- May be used on stone, concrete and asphalt driveway and surfaces
- Contains no phosphates
- Deodorizes
- Leaves no residue
- Scent free
- Chlorine free
- Activated Peroxygen treatment
- Effectively eliminate offensive odors caused by mold and mildew
- Controls the growth of odor-causing and slime forming bacteria
- A treatment for the prevention and control of algae & cyanobacteria in waters
- Easy to use
- Effective over a wide range of pH conditions
- Reduces organic build-up and noxious odors including hydrogen sulfide
- Controls algae blooms
- Controls odors
- Roof and siding cleaner

Sublabel B: Residential Directions for Use

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS- DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or shielded safety glasses). Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray. Wash thoroughly with soap and water immediately after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. When prolonged or repeated contact may occur, use chemically resistant gloves and full body clothing.

ENVIRONMENTAL HAZARDS

Do not contaminate water when cleaning equipment or disposing of equipment wash water or rinsate.

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 regulation.

GreenClean 6% Liquid should not be combined or mixed with any other pesticide concentrates.

This product is not intended as treatment against any public health organism for any use on this label.

WATER TREATMENT

CONTAINED WATERS - To suppress, control and prevent algae and cyanobacteria in contained waters such as Ponds, Lakes, Lagoons, Water Gardens, Fish Ponds, Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Watering Tanks, Storage Tanks, Water Collectors and Domestic/Commercial Waters. Waters treated with GreenClean 6% Liquid 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:

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

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

Circular/Elliptical:

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

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

Avg. Length (ft) x Avg. Width (ft)

43,560 = acres

APPLICATION METHODS

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

Spot Treatment: Apply GreenClean 6% Liquid directly over the infested area. Re-treatment is required when heavy growth occurs.

Liquid Treatment: Spray solution on the water surface from shore or a properly equipped boat.

Injection Treatment: Inject solution into the water via a piping system.

APPLICATION RATES

Algae Density	Teaspoons GreenClean 6% Liquid / 50 gallons	Fluid Ounces GreenClean 6% Liquid / 500 gallons	Dilution Rate	PPM Peroxyacetic Acid (AI)	PPM Hydrogen Dioxide (AI)
Low	3	5	1:12,600	1.1	3.8
Moderate	5	8.3	1:8100	1.6	6.6
High	7	11.6	1:5700	2.4	9.4

EFFECTIVENESS FACTORS

- Effects of GreenClean 6% Liquid treatment are immediately apparent (bubbling, bleaching, & discoloration of algae).
- GreenClean 6% Liquid treatments are successful when contact of the pesticide is made with the algae.

- When treating surface mats and blooms, it is possible that GreenClean 6% Liquid 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 often during the summer months when water consumption and temperatures are high.

SURFACE TREATMENT

Use GreenClean 6% Liquid on all listed hard, non-porous surfaces, to suppress/control odor-causing bacteria, algae, fungi, moss, mold and mildew, and the odors and conditions that these organisms cause.

Application surfaces include:

Floors, Walkways, Walls, Storage Areas, Patios, Decks, Railings, Roofs, Asphalt Shingles, Siding, Stairs, Ramps, Sealed Concrete, Linoleum, Formica, Vinyl, Glazed Porcelain, Plastic, Sealed Fiberglass, Polyethylene, CPVC, PVC, Aluminum, Steel, Stainless Steel, Sealed Wood, and Glass. Brick, Stone, Landscape Pavers, Glazed Tile, Slate, Granite, Statues/Monuments, Outdoor Furniture, Tennis Courts (non-grass), Under Benches.

- 1) Sweep and remove all debris. Use power sprayer to wash all surfaces to remove loose dirt.
- 2) Use a dilution of 1:100 or 1.3 fl. oz. of GreenClean 6% Liquid per gallon of water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits.
- 3) Apply solution with mop, sponge, pump or power sprayer or fogger to thoroughly wet all surfaces.
- 4) Allow to remain wet with solution for one (1) minute.
- 5) Allow items and/or surfaces to air dry. Do not rinse.
- 6) Scrub off heavy growths of algae and fungi following application. Use a solution of GreenClean 6% Liquid to wash away dead growth.

Reapply as often as needed for control.

TREATMENT OF GREENHOUSE SURFACES AND EQUIPMENT - (glazing, plastic, pots, flats, trays, cutting tools, benches, work areas, walkways, floors, walls, fan blades, watering systems, coolers, storage rooms, structures and equipment) – Use GreenClean 6% Liquid to control algal, fungal and slime forming bacterial growth. Clean surfaces before treatment. Sweep and remove all plant debris, and use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:100 or 1.3 fl. oz. of GreenClean 6% Liquid per gallon of water for all non-porous surfaces that have been pre-cleaned with water. Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces. Cutting tools may be soaked to ensure complete coverage. Allow to remain wet with solution for one (1) minute. Allow items and/or surfaces to air dry. Do not rinse. Heavy growths of algae and fungi may have to be scrubbed off following application. Repeat treatment as required to maintain control.

APPLICATION METHODS

SPOT TREATMENT:

Make a solution with GreenClean 6% Liquid (refer to liquid application rates). Apply directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID:

Make a solution with GreenClean 6% Liquid (refer to liquid application rates). Spray this solution on the desired treatment surface using sprayer or power wash equipment.

FOAM:

Make a solution with GreenClean 6% Liquid (refer to foam application rates). Spray this solution on the desired treatment surface. Use a foamer, such as the BioSafe BioFoamer, to apply.

HOSE END SPRAYER:

Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 0.85 fl. oz. per gallon or a 1:150 dilution. Spray this solution on the desired treatment surface.

FOLIAR TREATMENTS

Use GreenClean 6% Liquid as a fungicide/bactericide to treat/control plant diseases on all flowering plants, ornamentals, house plants, vegetable, berry and fruit plants, trees and shrubs.

GreenClean 6% Liquid works immediately on contact with any plant surfaces for the control / suppression of fungi and bacteria: *Botrytis*, Downy Mildew, Powdery Mildew, Leaf Spot, Leaf Blight, *Xanthomonas*, Anthracnose, *Rhizoctonia*, and *Pseudomonas*. Apply GreenClean 6% to ornamentals, bedding plants, flowering plants, shrubs, and trees. To ensure that this contact fungicide is effective, thorough coverage and wetting of the foliage is necessary.

Care should be taken when using GreenClean 6% Liquid for curative control of obligate organisms living on the plant tissue (such as downy and powdery mildew). These treatments may result in lesions on plant tissue. GreenClean 6% Liquid will oxidize parasitic organisms living in plant tissue that are not always visible to the naked eye. Resulting oxidative effects may include spotting, or drying of the plant tissue where organisms inhabited tissue.

Spray Application:

Initial Application:

- 1) Use a dilution of 1:150 or 0.85 fl. oz. of GreenClean 6% Liquid to one gallon of water. Do not reuse already mixed solution, make fresh daily.
- 2) Spray, mist or fog plants in early morning or late evening.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks to ensure full contact with plant and flower tissue.
- 4) Apply consecutive applications until control is achieved and then follow directions for preventative treatment.

Weekly Preventative Treatment:

- 1) Use a dilution of 1:200 or 0.64 fl. oz. of GreenClean 6% Liquid per gallon of clean water.
- 2) Spray, mist or fog plants.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks.
- 4) Spray every five to seven days as a preventive treatment.

At the first sign of disease spray daily with a 0.85 fl. oz. per gallon of water for three consecutive days and then resume weekly preventative treatment.

Hose End Sprayer Application:

Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 0.85 fl. oz. per gallon or a 1:150 dilution. Spray solution on all plant surfaces, ensuring complete coverage.

Note: GreenClean 6% Liquid has not been tested on all plant species; it is always advisable to test GreenClean 6% Liquid on a small number of plants before treating large numbers. Do not apply to wilted plants.

TURF TREATMENTS

TURF AND LAWNS - Use on well-established lawns, to control / suppress algae, bacteria, and fungal diseases, and the odors and conditions that these organisms may cause.

- Broad-spectrum treatment for control of algae, fungi and bacteria on turf, as well as synthetic and artificial turf.
- Use GreenClean 6% Liquid to treat / prevent the bacterial/fungal diseases including but not limited to: *Anthraxnose*, Brown Spot, Dollar Spot, Copper Spot, Summer patch, Strip Smut, Take-All Patch, Leaf Spot, *Fusarium*, Fairy Ring, Pink Snow Mold, *Pythium*, *Phytophthora*, *Rhizoctonia*. Use GreenClean 6% Liquid to treat algae, slime molds, and scum.
- For use on all turf types such as commercial turf, lawns, athletic fields and golf course fairways, greens and tees.
- GreenClean 6% Liquid controls on contact.

For Spray Application: Dilute 1.3 fl oz of GreenClean 6% Liquid per gallon of clean water. Spray this solution on the desired area of the lawn. Three to ten gallons of diluted solution treats approximately 1000 square feet of lawn area.

For Hose End Sprayer Application- Follow use directions on manufacturers hose end sprayer. Fill reservoir with GreenClean 6% Liquid. Set sprayer to deliver a rate of 1.3 fl. oz. per gallon. Spray solution on all plant surfaces, ensuring complete coverage.

- For best results, apply immediately after grass has been cut.
- Optimum treatment time is early morning or late afternoon.

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 AND CONTAINER HANDLING

If empty – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Batch Code _____

If partly filled – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

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, method of application, 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.

Optional Label Claims:

- Microbiocide
- Algaecide
- Fungicide
- Bactericide
- Ready to Spray
- Roofing and Siding Treatment
- Marine and Boat Treatment
- Post Harvest Treatment
- Fast acting moss and algae control
- Heavy moss and algae deposits will often require a second application
- Textured surfaces may require scrubbing
- May discolor copper roofing and trim
- Liquids solutions have six-hour shelf life
- Brightens mold stained decking and wood
- Kills bacteria and fungi that cause odors
- Maybe used on clay tiles, Terracotta, slate and concrete surfaces
- May be used on cedar shakes, cedar siding, redwood
- May be used on stone, concrete and asphalt driveway and surfaces
- Contains no phosphates
- Deodorizes
- Leaves no residue
- Scent free
- Chlorine free
- Activated Peroxygen treatment
- Effectively eliminate offensive odors caused by mold and mildew
- Controls the growth of odor-causing and slime forming bacteria
- A treatment for the prevention and control of algae & cyanobacteria in waters.
- Easy to use.
- Effective over a wide range of pH conditions.
- Reduces organic build-up and noxious odors including hydrogen sulfide.
- Controls algae blooms.
- Controls odors.
- Roof and siding cleaner.

