



# GreenClean® Liquid 5.0



## SPECIMEN LABEL

### FOR COMMERCIAL USE

EPA REGISTRATION NO. 70299-19

### ACTIVE INGREDIENTS

Hydrogen Peroxide..... 23.0%

Peroxyacetic Acid..... 5.3%

**INERT INGREDIENTS:**..... 71.7%

**TOTAL:**..... 100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER – PELIGRO STRONG OXIDIZING AGENT

*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

- 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

- 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

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control 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 treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC web site: [www.npic.orst.edu](http://www.npic.orst.edu)). For medical emergencies, call the poison control center at 1-800-222-1222.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: CORROSIVE.** Causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

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.

This pesticide is toxic to fish. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed.

This pesticide is toxic to birds. Treated seed exposed on soil surface may be harmful to birds.

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

Do not contaminate water when disposing of equipment washwater or rinsate.

### PHYSICAL AND CHEMICAL HAZARDS

**STRONG OXIDIZING AGENT. Corrosive.** 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.

### PRODUCT INFORMATION:

GreenClean Liquid 5.0 is used to suppress, control and prevent algae, cyanobacteria, and bacteria.

### WATER TREATMENT

Use GreenClean Liquid 5.0 to suppress, control and prevent algae and cyanobacteria and bacteria in the following waters: Ponds, Lakes, Lagoons, Water Gardens, Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Bird Baths, Irrigation Ponds, Impounded Waters, Bilge Water, Reservoirs, Waterways, Conveyance Ditches, Canals, Laterals, Drainage Systems, Catch Basins, Sewage Lagoons and Pits, Sewage Systems, Fire Ponds, Watering Tanks, Storage Tanks, Water Collectors.

### APPLICATION RATES

Apply GreenClean Liquid 5.0 at the rate of 2.8-28.5 gallons per acre-foot of water. Use higher rates when existing algae density is high (algae blooms) and/or when dealing with resistant algae types.

Algae Growth/Density	Gallons GreenClean Liquid 5.0 Per Acre Foot
Low Density	2.8
Moderate Density	7.1
High Density	12.8
Extreme Density (Full Bloom)	28.5

## APPLICATION METHODS

**Spot Treatment:** Apply GreenClean Liquid 5.0 directly over the infested area. Re-treatment is required when heavy growth occurs.

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

**Liquid Treatment:** Surface spray (or inject) spray solution on the water surface with aquatic spray or injection equipment. Use a rate up to 28.5 gallons per acre-foot for surface spray or injection treatment. Use in accordance with manufacturer's spray equipment instructions.

### Aerial Application:

Apply directly to water surface using conventional aerial application equipment. Avoiding spray drift at the application site is the responsibility of the applicator. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions regarding application of this product.

Do not allow spray to drift from the application site and contact people or structures that people occupy.

**Treatment Notes:** The performance of GreenClean Liquid 5.0 is enhanced under certain conditions. It is recommended to consult a BioSafe Systems Representative for guidance in implementing a treatment program to achieve optimal results. The following apply to the use of GreenClean Liquid 5.0 to achieve optimum effectiveness:

- Treat when growth first begins to appear (if possible) or when actively growing.
- Apply in a manner that will ensure even distribution of GreenClean Liquid 5.0 within the treatment area.
- Use a high-pressure surface spray application to break up dense floating algal mats. It is NOT recommended to use a boat and prop to break up algal mats, as it may cause mats to sink.
- In heavily infested areas, a second application may be necessary. Retreat areas if regrowth begins to appear or if seasonal control is desired. Repeat application may be made as soon as 48 hours after previous treatment with GreenClean Liquid 5.0.

## GENERAL TREATMENT NOTES

- Control is best achieved when algae are not yet well established. Treat in early spring or summer when growth first begins to appear.
- The application rates are variable and depend upon algae species, water hardness, and amount of algae present.
- Use higher application rates for filamentous algae and lower application rates for planktonic algae. If there is uncertainty about the application rate begin with a lower application rate and increase until control is achieved or until maximum allowable level has been reached.
- Apply early in the day under calm, sunny conditions, when water temperatures are warm. Sunlight and higher temperatures both enhance activity.
- Apply evenly over the water surface directly over the algae to be treated.
- Break up any heavy floating algae mats before or during application.
- If using in conjunction with other water additives (such as bacteria or enzymes), always apply GreenClean Liquid 5.0 first and wait 48 hours before adding any other products.
- Maintain an algae free pond with maintenance rates at a frequency appropriate for your environmental conditions.
- Jar test first when tank mixing with copper based chemistries. Spray tank must be clean to begin mixing. Vent cap to allow oxygen release. Contact your BioSafe Representative for mixing instructions.

## SEWAGE WATER TREATMENT

Use GreenClean Liquid 5.0 for the control of malodors caused by hydrogen sulfide gas. Application rates may vary depending on amounts of organic matter (sewage) in lagoons and pits. Pour GreenClean Liquid 5.0 directly from the container into the pit or lagoon at several locations to aid

in dispersal. Use 1.2 gallons of GreenClean Liquid 5.0 for 60,000 gallons (8,000 cubic feet) of sewage. For best results, disperse GreenClean Liquid 5.0 evenly throughout sewage. Odors should be noticeably reduced in 1-2 weeks. Repeat application when odor reappears. For lagoons, wait 24 hours before adding beneficial bacteria.

## CONVEYANCE SYSTEMS AND OTHER MOVING WATER

Use GreenClean Liquid 5.0 to suppress/control algae in flowing water systems. Apply GreenClean Liquid 5.0 at first signs of algae as needed to control and prevent algae growth. Apply more often in times of higher water temperatures. Distance of control down the waterway will vary depending upon density of growth and water flow rates (C.F.S.). Inject GreenClean Liquid 5.0 for a minimum of 4 hours. Treatments of longer duration or more frequent intervals along the channel may be necessary.

Prior to treatment it is important to accurately determine water flow rates. In the absence of weirs, orifices, or similar devices, which give accurate water flow measurements, volume of flow may be estimated by the following formula:

$$\text{Average Width (feet)} \times \text{Average Depth} \times \text{Velocity}^* \\ (\text{feet/second}) \times 0.9 = \text{Cubic Feet per Second (C.F.S.)}$$

\* Velocity is the time it takes for a floating object to travel a given distance. Dividing the distance traveled (feet) by the time (seconds) will yield velocity (feet/second). This measurement should be repeated at least three times at the intended application site and then averaged.

After accurately determining the water flow rate in C.F.S., find the corresponding application rate of GreenClean Liquid 5.0 in the chart below.

### Application Rates for Moving Water

Algae Growth/Density	Application Rate per C.F.S.
Low Density	2 gal.
Moderate Density	3 gal.
High Density	4 gal.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a cool, dry well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

**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 directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**Containers equal to or less than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

**Containers greater than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. 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. 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

**For refillable containers:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

#### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS and Seller harmless for any claims relating to such factors, to the extent consistent with applicable law.

BIOSAFE SYSTEMS warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS MAKES NO WARRANTIES OF MERCHANTABILITY FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, in no event shall BIOSAFE SYSTEMS or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF BIOSAFE SYSTEMS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL

BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF BIOSAFE SYSTEMS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of BIOSAFE SYSTEMS.



For additional information on GreenClean® Liquid 5.0, call us toll-free at 1.888.273.3088 or visit [www.biosafesystems.com](http://www.biosafesystems.com).

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