955

20 | 185 | 80 | 380 | 80 | 175 | 35

130 | 190

140 | 95 | 80 | 70 | 135 | 100 | 200

FOLD LINE

END OF FOLDED FLAP

780 | 390 | 40 | 20

SeClear G

1009.50

Algaecide and Water Quality Enhancer®

COPPER	GROUP	NOT CLASSIFIED	HERBICIDE

For use in aquatic sites including: ponds, lakes, reservoirs, irrigation and drainage canals, laterals and ditches, flooded rice fields, aquaculture, man-made water features, livestock watering basins, potable water systems.

Active Ingredient:
Copper Sulfate Pentahydrate† (CAS# 7758-99-8).....58.9%
Other Ingredients.....41.1%
TOTAL.....100.0%
†Metallic Copper equivalent = 15%

KEEP OUT OF REACH OF CHILDREN
WARNING / AVISO

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

Refer to label booklet for additional Precautionary Statements and Directions for Use including First Aid and Storage and Disposal.

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Warranty Disclaimer and Misuse* statements inside label booklet. If terms are unacceptable, return at once unopened.**

NSF Certified to NSF / ANSI / CAN 60

A Maximum Use Level of 6 mg/L is required for the product.

SeClear G Algaecide and Water Quality Enhancer and SeSCRIPT are registered trademarks of SePRO Corporation.

EPA Reg. No. 67690-72
EPA Est. No. 067690-NC-002
FR,20230031
160901

SePRO Corporation 11550 North Meridian Street
Suite 600, Carmel, IN 46032 U.S.A.

FIRST AID

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 a poison control center or doctor. • Do not give anything to an unconscious person.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call **INFOTRAC at 1-800-535-5053.**

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning. May be fatal if swallowed. Causes substantial but temporary eye injury. Wear protective eyewear. Do not get in eyes, on skin or clothing. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:
- Protective eyewear (goggles, face shield, or safety glasses);
- Long-sleeve shirt;
- Long pants;
- Shoes plus socks; and
- Waterproof gloves.

Exceptions: Aquatic Subsurface Application or Closed Application System
After SeClear G has been diluted or tank mixed with water, users must, at a minimum, wear (**Note -** Mixers and loaders for this application method must still wear the PPE as described in the above section):
- Long-sleeved shirt and long pants; and
- Shoes plus socks.

USER SAFETY REQUIREMENTS

Discard clothing and other absorbent material that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

Pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides (40 CFR 170.305).

USER SAFETY RECOMMENDATIONS

Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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

Fish Advisory Statement: This copper product is toxic to fish and aquatic organisms. Unlike most organic pesticides, copper is an element and will not break down in the environment and will therefore accumulate with repeated applications. Copper is a micronutrient, but its pesticidal application rate exceeds the amount of copper needed as a nutrient.

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 biomass. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than ⅓ of the water body and wait at least 14 days between treatments at avoid depletion of oxygen due to decaying vegetation (excluding water infrastructure and constructed conveyances such as drainage canals, ditches and pipelines or intakes and aquaducts for drinking water or irrigation use). 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.

Application of algaecides to high density blooms of cyanobacteria can result in the release of intracellular contents into the water. Some of these intracellular compounds are known mammalian hepato- and nervous system toxins. Therefore, to minimize the risk of toxin leakage, manage cyanobacteria effectively in order to avoid applying this product when blooms of toxin-producing cyanobacteria are present at high density. In situations where rapidly reproducing toxic algal species pose a public health threat to drinking or recreational water resources, applications must receive authorization from applicable state, local or tribal water resources authorities to apply copper at intervals shorter than 14 days should the circumstance demand.

Certain water conditions including low pH (≤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), increase the potential acute toxicity to non-target aquatic organisms. The application rates on this label are appropriate for water with pH values > 6.5, DOC levels >3.0 mg/L, and alkalinity greater than 50 mg/L. Avoid treating waters with pH values <6.5, DOC levels <3.0, and alkalinity less than 50 ppm (e.g., soft or acid waters), as kot, trout and other sensitive species of fish may be killed under such conditions.

Consult your state department of natural resources or fish and game agency before applying this product to public waters. Permits may be required before treating such waters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all *Directions for Use* carefully before applying.

This product may be **applied directly as a granule or dissolved in water** and sprayed, dripped, injected, metered, whichever is most suitable to ensure uniform coverage of the area to be treated.

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.

Ensure spray or granules do not drift onto non-target areas.

DO NOT apply this product in any manner not specifically described in this label. Observe all cautions and limitations on this label and on the labels of products used in combination with this product. Keep containers closed to avoid spills and contamination.

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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required 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;
- Shoes plus socks;
- Chemical-resistant gloves made of any waterproof material; and
- Protective eyewear.

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

Treatment with this product will not by itself make water potable. For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1.0 ppm of metallic copper in these waters.

Controlling Algae
This product rapidly disrupts numerous algae cell processes and shuts down growth. It is effective in controlling a broad range of algae including: green, yellow/green and blue-green (cyanobacteria) algae comprising diverse growth forms such as filamentous, colonial, planktonic and macrophytic. Treated algae typically begin to show discoloration within a day and degrade over time.

Improving Water Quality
This product can improve water quality by:
1. Offsetting eutrophication through proactive maintenance programs.
2. Decreasing phosphorus concentrations from the water column through binding and precipitation of dissolved phosphorus.
3. Binding and precipitation of suspended solids, thereby reducing turbidity and unwanted coloration.

Use lower concentrations/rates in softer water (<50 ppm alkalinity) or when treating algae with greater susceptibility to this product; use moderate to higher concentrations / rates in harder water (>50 ppm alkalinity) and when treating heavier infestations and /or less susceptible algae.

Treatment Notes
Product performance is enhanced under certain conditions. SePRO recommends consulting a SePRO Aquatic Specialist for guidance in implementing a treatment program to achieve optimal results. To achieve optimum effectiveness:
- Proactive Control: Treat when algae growth first begins to appear (if possible). Continue to proactively offset algae infestations and improve water quality by sustaining a routine maintenance program.

Continued on back >>

Net weight: 50 pounds (Non-refillable)

1009.50

SeClear G
Algaecide and Water Quality Enhancer®

1009.50

Aerial Application
This product may be applied using a helicopter or airplane. Aerial applications must be conducted in a manner that applies the target rate evenly in the treatment area; apply this product as a granule or dissolved in water to ensure uniform application. All equipment should be properly calibrated prior to application. Use an appropriate tracking device (e.g. GPS) to avoid streaked, uneven or overlapped application. Refer to the Spray Drift Management section of this label for additional precautions and instructions for aerial application.

Application to Flooded Rice Fields
When algae are present, apply this product (granule or dissolved as solution) at a rate of 3.6 to 18.0 pounds (0.2 to 1.0 ppm or 0.548 to 2.74 lbs metallic copper) per acre foot of water. Do not exceed the maximum annual application rate of 5.48 lbs of metallic copper per acre-foot. Calculate acre feet of water in a flooded rice field as follows: surface acres of water x average water depth (feet) = acre feet of water. See **Table 1** for additional rate calculation guidance. Wait a minimum of 14 days between treatments.

Spray Drift Management
Aerial Applications
- Do not release spray at a height greater than 10 ft above the vegetative canopy or water, unless a greater application height is necessary for pilot safety.
- Applications are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speed exceeds 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Applications must use ½ swath displacement upwind at the downwind edge of the application area.
- Do not apply during temperature inversions.

Ground Boom Applications
- Apply with the spray release height recommended by the manufacturer, but no more than 4 feet above the water surface.
- Applications are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Spray Drift Advisories
The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions.

Importance of Droplet Size
An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom
- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft
- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

Boom Height – Ground Boom
Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

Release Height - Aircraft
Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

Shielded Sprayers
Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity
When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversions
Drift potential is highest during a temperature inversion. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that quickly dissipates and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applications need to be familiar with local wind patterns and terrain that could affect spray drift.

TANK MIX DIRECTIONS
This product may be tank mixed with other products to enhance efficacy and plant selectivity provided that the labels do not prohibit such mixing. Dissolve the required amount of this product in an adequate amount of water based on application equipment being used followed by the addition of the other product. This product can be tank mixed with algaecides and herbicides registered for aquatic use to improve efficacy, and to control algae in areas where heavy algae growth may cover target submersed plant species and interfere with herbicide exposure. When tank mixing, read and follow the labeled precautionary statements, directions for use, weeds (controlled), and other restrictions for each tank mix product. **Use in accordance with the most restrictive label limitations and precautions of the products used in the tankmix.** Do not exceed any labeled rate or dose. Conduct a jar test to ensure compatibility before field application of any tank mix combination. SePRO recommends consulting with a SePRO Aquatic Specialist for latest tank mix recommendations.

Tank mixing or use of this product with any other product which not specifically and expressly authorized by the label shall be at the exclusive risk of the user, applicator and / or application adviser, to the extent allowed by applicable law.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage and disposal.
Pesticide Storage: Store in original container only. Do not store near feed or foodstuffs. In case of spill, contain material and dispose of as waste.
Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
Container Handling:
Non-refillable, rigid container, DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.
Triple rinse containers small enough to shake 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.
Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
Non-refillable, non-rigid container, DO NOT reuse or refill this container. Completely empty liner into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.
Non-refillable container. DO NOT reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by other procedures approved by state and local authorities.

IN CASE OF EMERGENCY
In case of large-scale spillage regarding this product, call **INFOTRAC at 1-800-535-5053.**
Steps to be taken in case material is released or spilled:
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing, and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Warranty Disclaimer: SePRO Corporation warrants that this product conforms to the chemical description on the product label. Testing and research have also determined that this product is reasonably fit for the uses described on the product label. To the extent consistent with applicable law, SePRO Corporation makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty and such warranties are expressly disclaimed.
Misuse: Federal law prohibits the use of this product in a manner inconsistent with its label directions. To the extent consistent with applicable law, the buyer assumes responsibility for any incidental or consequential consequences if this product is not used according to its label directions. In no case shall SePRO Corporation be liable for any losses or damages resulting from the use, handling or application of this product in a manner inconsistent with its label.
For additional important labeling information regarding SePRO Corporation's Terms and Conditions of Use, Inherent Risks of Use and Limitation of Remedies, please visit **http://sepropublicdomain.com** or scan the image at right.

UN3077, Environmentally Hazardous Substances, Solid, N.O.S. (Copper Sulfate Pentahydrate), 9, PGIII, RQ, Marine Pollutant

9

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Treatment Notes (cont.)
- Reactive Control: Treat when algae are actively growing and select appropriate rates based on site conditions.
- Apply in a manner that will ensure even distribution of this product within the treatment area.
- To optimize exposure and control, use a high-pressure spray application to break up dense algae mats.
- In heavily infested areas, follow-up applications may be necessary. Re-treat areas if regrowth begins to appear or if seasonal control is desired.
- **SePRO recommends designing and implementing an annual maintenance program which includes monitoring algae and basic water quality parameters to optimize nuisance algae and water quality management. Contact SePRO Corporation for assistance in algae identification, treatment prescription and implementation using this product (Note: SePRO Corporation's technical service of algae identification, site monitoring and assessment is referred to as SeSCRIPT® analysis - 252-431-3262).**

Resistance Management
Apply an effective amount of SeClear G to control the targeted pest according to **Table 1**. This ranges from 1.8 -18 lbs. per acre-foot of SeClear G (0.27 - 2.7 lb. metallic copper per acre-foot).

Do not apply more than 144 lbs. of SeClear G per acre-foot per year (21.9 lbs. of metallic copper per acre-foot per year).

Do not make applications less than 14 days apart per the Environmental Hazards section.

Water bodies or management units should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Water bodies or management units should be scouted after application to verify that the treatment was effective.

Suspected herbicide-resistant weeds may be identified by these indicators:
- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

Report any incidence of non-performance of this product against a particular weed species to your retailer, or local SePRO representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further reproduction.

Implement the Early Detection, Rapid Response practice and Maintenance Control by using the following practices where possible:
- Identify weeds present in a management unit through scouting or history of the water body and understand the biology of target species.
- Applications should target weeds when populations are small and there is low biomass, early in the season to maximize efficacy.
- Ensure good coverage of the area that the herbicide contacts the weed. Use the appropriate application method for the use site/weed/chemical combination.
- Weed escapes should not be allowed to go to seed or produce asexual vegetative propagules.
- Use a diversified approach towards weed management. Wherever possible incorporate multiple weed-control practices such as mechanical control, biological management practices, and rotation of MOAs.
- Time applications to have the highest probability for control and minimize need for follow-up control measures. Apply during conditions that minimize herbicide degradation (light temperature/moisture) and/or dissipation (water exchange).

Contact your local SePRO representative, local water management agency, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified or your local conditions. Tank mix products so that there are multiple effective mechanisms of actions for each target weed.

Use Restrictions
- **DO NOT** apply this product directly to, or otherwise permit it to come into contact with any desirable terrestrial or riparian plants as injury may result.
- **DO NOT** apply in such a way that concentrated product comes in contact with crops, ornamentals, grass or other desirable plants.
- Pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides (40 CFR 170.305).

Use Precautions
- Wash application equipment after use.

APPLICATION DIRECTIONS
This product may be applied directly as a granule or dissolved in water and sprayed, dripped, injected, metered, whichever is most suitable to ensure uniform coverage of the area to be treated.

Do not exceed a concentration of 1.0 ppm metallic copper (18 lbs product or 2.74 lbs metallic copper per acre-foot) during any single application. When treating aquaculture ponds when fish are present, do not exceed a concentration of 0.4 ppm during any single application when targeting nuisance algae.

Whole Water Bodies
Maximum annual application rate of 21.9 lbs of metallic copper (144 pounds of SeClear G) per acre-foot (3 applications per year at up to 1 ppm or 18 lbs./acre-foot). This rate / frequency is calculated based on staggering the treatment of each half of the water body every 14 days (at a rate of 2.74 lbs. metallic copper per acre-foot × 1 ppm) for eight months (244 days). In situations where rapidly reproducing toxic algal species pose a public health threat to drinking or recreational water resources, applications must receive authorization from applicable state, local or tribal water resources authorities to apply copper in excess of 21.9 lbs of metallic copper per acre-foot (8 applications per year at up to 1 ppm).

Water Management Units
For large waterbodies such as lakes and reservoirs that support aquatic habitat, this product may be applied in multiple individual treatments to different, discreet sections of a water body, or water management units, within the 14-day retreatment interval, provided that the sum of those areas together constitute no more than half of the total area of the entire water body. Maximum annual application rate of 46.6 lbs. of metallic copper per acre-foot per year (17 applications per year at up to 1 ppm). This rate/frequency is calculated based on the maximum number of possible applications allowed based on a 14-day minimum (at a rate of 2.74 lbs. metallic copper per acre-foot × 1 ppm) retreatment interval for eight months (244 days). Do not apply more than 46.6 lbs. of metallic copper to a water management unit, regardless of the pest(s) targeted by applications. In situations where rapidly reproducing toxic algal species pose a public health threat to drinking or recreational water resources, applications must receive authorization from applicable state, local or tribal water resources authorities to apply copper in excess of 46.6 lbs. of metallic copper per acre-foot per year for a single water management unit.

Pre-Application Dose Determination
For algae and aquatic plant treatments, applicators should conduct initial dose determination test simulating a full scale treatment program to determine the minimum efficacious concentrations for eliminating the target species, unless an effective dose is already known for the given target pest population.

Granular Application
Apply this product as a granule to target benthic algae growths, accumulated mats/scums, or macrophytes. Calculate required pounds of product necessary to achieve control of the target infestation (**Table 1**). Apply product by broadcast application, hand spreader, scoop, eductor, mechanical spreader, blower or other equipment capable of uniform application. Ensure even product distribution over the target treatment area. Calibrate application equipment to ensure proper amount is applied. Delivery rate, swath width and speed of application should all be considered.

Surface and Broadcast Spray Application
Dissolve the required amount of product in an adequate amount of water based on application equipment being used. Spray the solution to ensure even distribution in the targeted treated area.

The application rates in **Table 1** are based on static or minimal flow situations. Where significant dilution occurs from untreated waters or loss of water, this product may have to be dosed/used in water and metered in (refer to the *Drip System or Metering Pump Application for Flowing Water Treatments* section of this label).

Identify the algae growth present as one of the following types: planktonic (suspended), filamentous (mat-forming), or macrophytic algae (Chara/Nitella). For assistance with algae identification, contact SePRO Corporation (252-431-3262).

Determine the surface acreage (1 acre = 43,560 ft²) and average depth of infested area. Refer to chart below to determine application rates per acre foot (one acre of water, one foot deep).

Table 1. Application Rates

Algae Type or Species	PPM Metallic Copper	Pounds Product per Acre Foot	Treatment Comments
Planktonic (Suspended, scum forming)	0.10 - 1.0	1.8 - 18.0	Apply higher rates on heavy blooms and where algae masses are clumped and accumulated.
Filamentous (Mat-forming)	0.2 - 1.0	3.6 - 18.0	Apply higher rates on surface or benthic mats of species such as Pithophora, Oedogonium, Spirogyra, Lyngbya, and Hydrodictyon.
Macrophytic (Chara/Nitella/ Starry Stonewort)	0.4 - 1.0	7.2 - 18.0	Apply higher rates on older, established calcified plants. Apply as close to algae growth as possible.

Application Rate Calculation:

acre feet × desired metallic copper ppm × 18.0 = pounds of product to be applied

Example: The amount of product to be applied to provide the desired concentration of 0.2 ppm of active ingredient in a 1 surface acre treatment area with an average depth of 4 feet is calculated as follows:

1 surface acre × 4 foot average depth = 4 acre feet

4 acre feet × 0.2 ppm × 18.0 = 14.4 pounds

For planktonic (suspended) algae and free floating filamentous algae mats, application rates and techniques should be based on treating to depths where algae are present (e.g. the upper 3 to 4 feet of water in a deeper pond). For dense infestations and in certain other situations, it may be necessary to calculate rates based on the depth of known algae infestation or require treating the entire water column in the treatment area.

Pulse Application Method
This method may only be used in constructed irrigation conveyance systems, laterals and aqueducts. Do not use this method of application in locations with functioning potable water intakes at or downstream from the application site.

For best results, apply this product as soon as the algae begin active growth or noticeably interfere with water delivery. Heavy infestations may require multiple applications to attain control. Maximum annual application rate of 10 lbs. metallic copper per year per 5 miles of conveyance per cubic foot per second (CFS). Apply copper into irrigation conveyance system or lateral at up to a maximum rate of 0.5 lbs metallic copper (3.3 lbs. of product) per cubic foot per second of water per 5 to 30-mile treatment depending on water hardness, alkalinity and algae concentration. High water hardness or alkalinity levels may require the use of higher rates within the rate range above to achieve control. When velocity levels are higher (>1 foot per second) distance between drop stations for pulse applications can be increased.

Drip System, Metering Pump or Metered Application for Flowing Water Treatments
For Use in Potable Water, Canals, Ditches, and Irrigation and Drainage Systems

Dissolve the required amount of product in water at a 1:2 ratio (1 pound of product with 2 gallons of water) or greater (more water) when mixing in a tank with moderate to high agitation or at a ratio of 1:4 or greater when mixing in a tank with low agitation. For best results, apply this product upstream of or at the site of algae growth, as soon as algae begin active growth or interfere noticeably with normal delivery of water (clogging of head gates, suction screens, weed screens, and siphon tubes). Dislodging treatment could make the problem worse by causing massing and compacting of biomass. Heavy infestations and low flow may cause poor distribution resulting in unsatisfactory control. Under these conditions repeated applications or increasing water flow rate during application may be necessary. See the *Application Directions* section above for the minimum time interval required between repeated applications.

To achieve desired control with this product in flowing water, a minimum exposure period of one to three hours should be maintained at a concentration of 0.10 to 1.0 ppm. Other factors to consider include: weed or algae species, density of infestation and water temperature and hardness. Longer contact times and the highest rates may be required for less susceptible species and in difficult treatment conditions (e.g. less susceptible weed or algae species, dense weed or algae beds, hard waters).

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 can be estimated by the following formula:

Cubic feet per second (CFS) = average width (feet) x average depth (feet) x average velocity (feet / second) x 0.9

After accurately determining the water flow rate in CFS or gallons / minute, find the corresponding product rate in Table 2 or use the below formula.

CFS x desired concentration of metallic copper (ppm) x 1.5 = pounds/hour of application.

Table 2. Application Rates for Flowing Water

Water Flow Rate		PPM Metallic Copper	Application Rate	
CFS	gal / min.		pounds /hr.	grams / min.
1	450	0.10 - 1.0	0.15 - 1.5	1.1 - 11.4
2	900	0.10 - 1.0	0.30 - 3.0	2.2 - 22.8
3	1,350	0.10 - 1.0	0.45 - 4.5	3.4 - 34.2
4	1,800	0.10 - 1.0	0.60 - 6.0	4.5 - 45.6
5	2,250	0.10 - 1.0	0.75 - 7.5	5.8 - 56.8
10	4,500	0.10 - 1.0	1.5 - 15	11.3 - 113.5
100	45,000	0.10 - 1.0	15 - 150	113.5 - 1,135

Calculate the amount of product needed to maintain the drip rate for a treatment and dilute with water to achieve necessary drip duration. As an example, for a 3-hour injection, multiply **pounds / hour by 3 gal grams/minute by 189.** For longer injection periods, multiply dosage rate by desired time in minutes or hours as appropriate.

Lower concentrations may be used on highly susceptible algae species or if longer exposure times are maintained. Where possible, introduce this product in the channel at weirs or other turbulence-creating structures to promote the dispersion of the chemical. For longer injection periods, multiply the rate by the desired time in minutes or hours as appropriate.

Use a drum or tank equipped with a valve or other volume control device that can be calibrated to maintain a constant drip rate. Use a stopwatch and appropriate measuring container to set the desired drip rate. Readjust accordingly if the canal flow rate changes during the treatment period. A small pump or other metering device may be used to meter this product into the water more accurately.

Results can vary depending upon species and density of algae and vegetation, desired distance of control and flow rate, and impact of water quality on efficacy. Periodic maintenance treatments may be required to maintain seasonal control. SePRO recommends consulting a SePRO Aquatic Specialist to determine optimal use rate, location of treatment stations and treatment period under local conditions.

Fres-co System USA, Inc.

Customer:	SEPRO	Black	Process Blue	die	
Item Number:	8327010-06	4.6%	16.9%	10.1%	
Item Description:	50lb SeClear G				
Date:	1/17/24				
Web Size:	955mm x 780mm				
Distortion:	98.803				

DATE ____/____/____ **BUYER APPROVAL** ITEM # _____

Buyer agrees that (1) Fres-co System USA, Inc. shall not be liable for (A) any error in the specifications or in the work product that shall result from the attached specifications except for the failure of any part of the attached to comply with any local, state or federal law or regulation, (C) any part of the attached which infringes the property right of the others acquired, without limitation thereof, by usage, registration, copyright, letters, patent or otherwise and (D) production colors not being exactly the same as the hand proved colors, if such production colors are reasonably acceptable to the trade. Buyer agrees that Buyer shall shall indemnify and hold Fres-co harmless against the liability described in (1) above, including attorney fees and court costs or for consequential damages; and (3) liability of Fres-co for uncorrected errors plainly noted in the attached shall not exceed the actual cost of the goods bearing the noted error, changes increase costs and delay production.

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LAYOUT	COPY	COLOR
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☐ Approved w/ changes	☐ Approved w/ changes	☐ Approved w/ changes
☐ Correct and Resubmit	☐ Correct and Resubmit	☐ Correct and Resubmit

DATE ____/____/____ BUYERS SIGNATURE

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