

67690 -55

5/10/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Laurent Mézin
SePRO Corporation
11550 North Meridian St, Suite 600
Carmel, IN 46032

MAY 1 0 2012

Subject: Label Amendment - SP4041 Algaecide
EPA Registration No. 67690-55
Decision No. 463098
Submission Date: 3/13/12

Dear Dr. Mézin:

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to include a residential use version of the label and to clarify use directions, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at schuler.dominic@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, sweeping flourish at the end.

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

SP4041 Algaecide

EPA Reg. No. 67690-55

FPL20120509 Clean

Submission of sublabel for residential use

ABN: SeClear* Algaecide
SeClear* Algaecide and Water Quality Enhancer

Version A - Professional uses sub-label	pp. 2-13
Version B - Residential uses sub-label	pp. 14-23

Registration Notes:

- 1) Based on pending label with FPL20120313, FPL20120328, FPL20120504 and FPL20120508.
- 2) Label changes per EPA comments of 09 May 2012

General Label Changes:

- 1) Updated FPL date.
- 2) Added the following text to better describe application parameters:

To achieve desired control with SP4041 Algaecide in flowing waters, a minimum exposure period of one to three hours should be maintained at a concentration of 0.15 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 water).

3/24

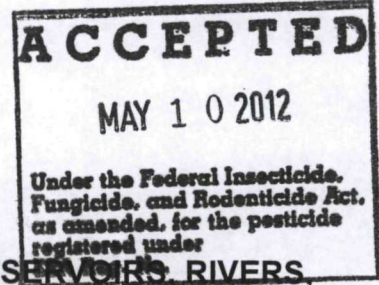
SP4041 Algaecide 67690-55

[Version A: Commercial uses - Front of label booklet or front panel, ALL containers]



SP4041*

ALGAECIDE



67690-55

FOR USE IN AQUATIC SITES INCLUDING: PONDS, LAKES, RESERVOIRS, RIVERS, STREAMS, IRRIGATION AND DRAINAGE CANALS, LATERALS AND DITCHES; INCLUDING POTABLE WATER SOURCES.

INTENDED FOR COMMERCIAL USE ONLY

Active Ingredient:

Copper Sulfate Pentahydrate† (CAS# 7758-99-8) 16.2%

Other Ingredients 83.8%

TOTAL 100.0%

†Metallic Copper equivalent = 4.1%

This product contains 0.417 Lbs metallic copper per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION / CUIDADO

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.)

In case of emergency endangering health or the environment involving this product, call **INFOTRAC at 1-800-535-5053.**

Refer to the inside of the label booklet for additional precautionary information 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 Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies inside label booklet.**

EPA Reg. No. 67690-55
FPL20120509

EPA Est. No. _____
[SPC-] _____

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

Algaecide

Net contents _____
Refillable/Nonrefillable container _____

[Version A: Commercial uses - Label booklet text, ALL containers]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes 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.

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 as metallic copper in these waters during any single treatment.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • 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. • 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 to 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 by mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
<p>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.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

For all types of applications, mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeve shirt,
- Long pants,
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS**Users must:**

- 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

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

Certain water conditions including low pH (≤ 6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms. Do not use in waters containing trout or other fish species that are highly sensitive to copper if the carbonate hardness is less than 50 ppm. Fish toxicity generally decreases when the hardness of water increases. Do not use this product in ornamental ponds containing Koi.

Obtain Required Permits: Consult with appropriate state or local pesticide and/or water authorities before applying this product in or around public waters. Permits and posting or treatment notification may be required by state, Tribal, or local public agencies.

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.

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 agency responsible for pesticide regulation.

Ensure spray does not drift onto non-target areas.

DO NOT apply SP4041 Algaecide 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 SP4041 Algaecide. Keep containers closed to avoid spills and contamination.

IN CASE OF EMERGENCY

In case of large-scale spillage regarding this product, call INFOTRAC at 1-800-535-5053.

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment;
- Your local poison control center (hospital);
- INFOTRAC: 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.

PRODUCT INFORMATION

SP4041 Algaecide is effective in controlling a broad range of green and blue-green (cyanobacteria) algae, including filamentous, planktonic and macrophytic.

Water Quality Enhancement

SP4041 Algaecide can improve water quality by:

1. decreasing phosphorus concentrations from the water column through binding and precipitation of dissolved phosphorus; and
2. aiding in the binding and precipitation of suspended solids, thereby reducing turbidity and unwanted coloration.

Use the lower concentrations/rates in softer water (<50 ppm alkalinity) or when treating species with greater susceptibility to SP4041 Algaecide; use higher concentrations/rates in harder water (>50 ppm alkalinity) and when treating heavier infestations and/or less susceptible species.

Treatment Notes

Performance of SP4041 Algaecide is enhanced under certain conditions. It is recommended to consult a SePRO Aquatic Specialist for guidance in implementing a treatment program to achieve optimal results. The following apply to the use of SP4041 Algaecide to achieve optimum effectiveness:

- Treat when growth first begins to appear (if possible) or when algae are actively growing.
- Apply in a manner that will ensure even distribution of SP4041 Algaecide within the treatment area.
- Use a high-pressure surface spray application to break up dense floating algal mats.
- In heavily infested areas, follow-up applications may be necessary. Re-treat areas if re-growth begins to appear or if seasonal control is desired. Additional applications of SP4041 Algaecide too soon after prior application may have no effect.
- **It is recommended to design and implement an annual treatment 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 SP4041 Algaecide (Note: SePRO Corporation's technical service of algae identification, site monitoring and assessment is referred to as SeSCRIPT* analysis).**

Precautions and Restrictions

- Do not apply an undiluted solution of SP4041 Algaecide directly to, or otherwise permit it to come into contact with any desirable plants as injury may result. Do not apply in such a way that concentrated SP4041 Algaecide comes in contact with crops, ornamentals, grass

or other desirable plants. Wash spray equipment thoroughly before and after each application.

Spray Drift Management

The following spray drift management requirements are for application methods except for those where the product is injected under the water surface (i.e. sub-surface applications). Surface applications should be made only when there is little or no hazard for spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator is responsible for considering all these factors when making decisions. Do not conduct a surface spray application when wind is blowing toward desirable susceptible crops or ornamental plants near enough to be injured. Under these conditions, SP4041 Algaecide may be applied using a sub-surface injection.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply as a surface spray at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make surface applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. *Additional requirements for aerial applications:* The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the water's surface unless a greater height is required for aircraft safety. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

APPLICATION INFORMATION

Do not exceed a concentration of 1.0 ppm copper during any single application; wait a minimum of 14 days between treatments except for when treating new source water in flowing water sites (refer to *Drip System or Metering Pump Application for Flowing Water Treatments*).

(Note: In aquaculture, do not exceed a concentration of 0.4 ppm during any single application).

Application Methods and Rates

Surface Spray/Injection Algaecide Application

The application concentrations/rates in Table 1 are based on static or minimal flow situations. Where significant dilution occurs from untreated waters or loss of water, SP4041 Algaecide may have to be 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.

Determine the surface acreage (1 acre = 43,560 ft²) and average depth of infested area. Refer to chart below to determine gallons of SP4041 Algaecide to apply per surface acre.

Algae Type or Species	Dose	Rates	Treatment Comments
	PPM metallic Copper	Gallons per Acre Foot	
Planktonic (Suspended)	0.15-1.0 [†]	1.0 - 6.5	Apply higher rates on heavy blooms and where algae masses are clumped and accumulated.
Filamentous (Mat-forming)	0.15-1.0 [†]	1.0 - 6.5	Apply higher rates on surface mats and species such as <i>Pithophora</i> , <i>Cladophora</i> , <i>Lyngbya</i> , and <i>Hydrodictyon</i> .
Macrophytic (<i>Chara/Nitella</i> / Starry Stonewort)	0.4-1.0	2.5 - 6.5	Apply higher rates on older, established calcified plants. Apply as close to algae growth as possible.

[†] For planktonic and filamentous algae, SP4041 Algaecide may be applied up to 1.0 ppm when growth conditions require higher rates and for difficult to control species (such as *Hydrodictyon*, *Cladophora* or *Pithophora*).

Application Rate Calculation Example:

The amount of SP4041 Algaecide to be applied to provide the desired concentration of 0.16 ppm of active ingredient in a 1 acre pond or treatment site with an average depth of 4 feet may be calculated at follows:

$$1 \text{ acre} \times 4 \text{ foot average depth} = 4 \text{ acre feet}$$

$$1.0 \text{ gallon per acre foot} \times 4 \text{ acre feet} = 4 \text{ gallons}$$

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). For dense infestations and in certain other situations, it may be necessary to calculate rates based on the depth of known algae infestation (e.g. >4 feet) or require treating the entire water column in the target area.

As a surface or subsurface application, SP4041 Algaecide may be applied diluted or undiluted, whichever is most suitable to ensure uniform coverage of the area to be treated. Dilution with water may be necessary at the lower application rates. Dilute the required amount of SP4041 Algaecide with enough water to ensure even distribution in the treated area with the type of equipment being used. For best results, dilute SP4041 Algaecide in water to provide a minimum spray mix of 20 to 50 gallons per acre; in areas with heavy infestations of filamentous algae, a total tank mix of >50 gallons per acre may be necessary; break up floating algae mats before spraying or while application is being made.

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

For optimal control, apply SP4041 Algaecide as soon as algae begin active growth or interfere noticeably with normal delivery of water (clogging of headgates, suction screens, weed screens, and siphon tubes). Delaying treatment could perpetuate the problem causing massing and compacting of plants. 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.

To achieve desired control with SP4041 Algaecide in flowing waters, a minimum exposure period of one to three hours should be maintained at a concentration of 0.15 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 water).

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

$$\text{Cubic feet per second (cfs)} = \text{average width (feet)} \times \text{average depth (feet)} \times \text{average velocity (feet/second)} \times 0.9$$

After accurately determining the water flow rate in cfs or gallons/minute, find the corresponding SP4041 Algaecide rate in Table 2 or use the below formula.

$$\text{cfs} \times \text{desired concentration of metallic copper (ppm)} \times 2.16 = \text{quarts/hour of application}$$

TABLE 2. SP4041 Algaecide Application Rates For Flowing Water				
Water Flow Rate		PPM metallic Copper	SP4041 Algaecide Rate	
CFS	Gal/min.		Quart/ hr.	fl oz/ min.
1	450	0.15 - 1.0	0.3 - 2.1	0.2 - 1.1
2	900	0.15 - 1.0	0.7 - 4.2	0.4 - 2.2
3	1,350	0.15 - 1.0	1.0 - 6.4	0.6 - 3.4

4	1,800	0.15 - 1.0	1.4 - 8.5	0.7 - 4.5
5	2,250	0.15 - 1.0	1.7 - 10.7	0.9 - 5.7
10	4,500	0.15 - 1.0	3.4 - 21.4	1.8 - 11.4
100	45,000	0.15 - 1.0	34.3 - 214.5	18.3 - 114.3

Calculate the amount of SeClear Algaecide needed to maintain the drip rate for a treatment period of 3 hours by multiplying **quart(s)/hour by 3 or milliliters/minute by 180**. 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. Introduction of the chemical should be made 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 SP4041 Algaecide into the water more accurately. Application can be made using diluted or undiluted product.

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. It is recommended to consult a SePRO Aquatic Specialist to determine optimal use rate, location of treatment stations and treatment period under local conditions.

Tank Mix Directions

SP4041 Algaecide may be tank mixed with other products to enhance efficacy and plant selectivity provided that the labels do not prohibit such mixing. SP4041 Algaecide can be tank mixed with 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 tank-mix.** Do not exceed any label rate or dose. To ensure compatibility, a jar test is recommended before field application of any tank mix combination. It is recommended to consult with SePRO Corporation for latest tank mix recommendations.

NOTE: Tank mixing or use of SP4041 Algaecide with any other product which is 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 improper storage or disposal.

Pesticide Storage: Keep from freezing. Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Pesticide Disposal: Wastes resulting from use of this product may be used according to label directions or disposed of at an approved waste disposal facility.

Container Handling

Nonrefillable 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 (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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.

Triple rinse containers too large to shake (capacity $>$ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ 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. Turn the container over onto its other 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. 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.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% 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.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

TERMS AND CONDITIONS OF USE

If terms of the following *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, to the extent consistent with applicable law, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies*.

WARRANTY DISCLAIMER

SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT

CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation or the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer*, *Inherent Risks of Use* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

©Copyright ____ SePRO Corporation

*Trademark of SePRO Corporation

[Version A: Commercial uses - Base label for all professional containers]



SP4041*

ALGAECIDE

Active Ingredient:

Copper Sulfate Pentahydrate† (CAS# 7758-99-8)	16.2%
Other Ingredients	83.8%
TOTAL	100.0%

†Metallic Copper equivalent = 4.1%

KEEP OUT OF REACH OF CHILDREN

CAUTION / CUIDADO

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.)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes 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.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • 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. • 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 to 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 by 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 .	

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep from freezing. Store only in original container. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Pesticide Disposal: Wastes resulting from use of this product may be used according to label directions or disposed of at an approved waste disposal facility.

Container Handling

Nonrefillable 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.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

See attached booklet for complete container disposal directions including triple rinsing and pressure rinsing instructions.

Refer to inside of label booklet for additional precautionary information and directions for use.

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.**

EPA Reg. No. 67690-55
FPL20120509

EPA Est. No. _____
[SPC-]_____

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

Algaecide

Net contents _____
Refillable/Nonrefillable container _____

15/24

[Version B: Residential uses - Front panel, residential containers]



SP4041*

ALGAECIDE

READY-TO-USE

FOR USE IN STILL OR FLOWING AQUATIC SITES INCLUDING: PONDS, LAKES, AND RESERVOIRS, INCLUDING POTABLE WATER SOURCES.

INTENDED FOR RESIDENTIAL USE ONLY

Active Ingredient:

Copper Sulfate Pentahydrate[†] (CAS# 7758-99-8) 16.2%

Other Ingredients 83.8%

TOTAL 100.0%

[†]Metallic Copper equivalent = 4.1%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Refer to the inside of the label booklet for additional precautionary information and directions for use including First Aid and Storage and Disposal.

EPA Reg. No. 67690-55
FPL20120509

EPA Est. No. _____
[SPC-] _____

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

Algaecide

Net contents _____
Refillable/Nonrefillable container _____

[Version B: Residential uses - Label booklet cover, residential containers]



SP4041*

ALGAECIDE

READY-TO-USE

PRODUCT FACTS

Algae Control

SP4041 Algaecide rapidly disrupts numerous algae cell processes and immediately shuts down growth resulting in algae mortality. Treated algae typically begin to show discoloration within a day and will degrade through time.

Water Quality Enhancement

SP4041 Algaecide can improve water quality by 1) decreasing phosphorus concentrations from the water column through binding and precipitation of dissolved phosphorus; and 2) aiding in the binding and precipitation of suspended solids, thereby reducing turbidity and unwanted coloration.

Algae types controlled		
	Description	Appearance
Planktonic	Algae suspended throughout the water. Water appears to have a unique coloration (green, blue, brown, red)	
Filamentous	Large mats of algae that are often present on the edge and surface, but can also cover the bottom of a pond.	
Plant-like	Erect algae attached to the bottom, growing up through the water column.	

Where to apply

Apply SP4041 Algaecide in first 10-15 feet from shoreline.

Questions, Comments or Information

{graphic of phone} Call 1-866-869-8521

Open booklet for details. Made in U.S.A.

EPA Reg. No. 67690-55
FPL20120509

EPA Est. No. _____
[SPC-] _____

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

[Version B: Residential uses - Label booklet text, residential containers]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes 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.

KEEP OUT OF REACH OF CHILDREN CAUTION / CUIDADO

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 as metallic copper in these waters during any single treatment (equivalent to the amount of metallic copper added by adding 6.5 Gallons of SP4041 to 10,890 sq. ft with an average depth of 4 ft).

FIRST AID

If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • 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. • 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 to 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 by 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**.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary

responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

Certain water conditions including low pH (≤ 6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms. Do not use in waters containing trout or other fish species that are highly sensitive to copper if the carbonate hardness is less than 50 ppm. Fish toxicity generally decreases when the hardness of water increases. Do not use this product in ornamental ponds containing Koi.

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.

PRODUCT INFORMATION

Algae Control

SP4041 Algaecide rapidly disrupts numerous algae cell processes and immediately shuts down growth resulting in algae mortality. Treated algae typically begin to show discoloration within a day and will degrade through time.

Water Quality Enhancement

SP4041 Algaecide can improve water quality by:

1. decreasing phosphorus concentrations from the water column through binding and precipitation of dissolved phosphorus; and
2. aiding in the binding and precipitation of suspended solids, thereby reducing turbidity and unwanted coloration.




APPLICATION INFORMATION

IMPORTANT APPLICATION INFORMATION AND PRECAUTIONS

- SP4041 Algaecide may be applied to natural or man-made water bodies.
- **DO NOT** allow people or pets to enter the treatment area while SP4041 Algaecide is being applied.
- Ensure spray does not drift onto non-target areas.
- **DO NOT** apply SP4041 Algaecide 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 SP4041 Algaecide. Keep containers closed to avoid spills and contamination.
- **DO NOT** exceed a concentration of 6.5 gallons per acre-foot during any single application; wait a minimum of 14 days between treatments except when new source water enters.
- If the treated water is to be used as a source of potable water, the metallic copper concentration must not exceed 1.0 ppm (equivalent to the amount of metallic copper added by adding 6.5 Gallons of SP4041 to 10,890 sq. ft with an average depth of 4 ft).
- **Avoiding Injurious Spray Drift:** Applications must be made only when there is little or no hazard for spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward desirable susceptible crops or ornamental plants near enough to be injured. Avoiding spray drift at the application site is the responsibility of the applicator.

- **Obtain Required Permits:** Consult with appropriate state or local pesticide and/or water authorities before applying this product in or around public waters. Permits and posting or treatment notification may be required by state, Tribal, or local public agencies.

WHAT TYPE OF ALGAE DO I HAVE?

	Description	Appearance
Planktonic	Algae suspended throughout the water. Water appears to have a unique coloration (green, blue, brown, red)	
Filamentous	Large mats of algae that are often present on the edge and surface, but can also cover the bottom of a pond.	
Plant-like	Erect algae attached to the bottom, growing up through the water column.	

WHEN, HOW, AND HOW MUCH SP4041 ALGAECIDE DO I APPLY?

- Follow a proactive **Prevention Program** (See Table 2) to prevent problematic algae infestations from occurring, or to improve overall water quality in your pond. With a SP4041 Algae Prevention Program, you can keep your pond looking good by preventing an algae bloom before it starts, and improve water quality/clarity by tying up phosphorus and removing suspended particulates that are in the pond. By starting this program in early spring, you may be able to stop nuisance algae or poor water quality from even occurring.
- Follow a specific **Algae Treatment Program** (See Table 3) to quickly control nuisance algae in your pond. Multiple applications may be needed to get your pond looking clean if: 1) you have fast growing algae and/or 2) your algae infestation is very thick.

Application Timing (before algae appears)	Gallons of SP4041 Algaecide per 10,890 sq. ft. (0.25 Acre) with an average depth of 4 feet	Application Method
Day 1: Initial Application	1 - 2 gallons	- Set spray nozzle to coarse spray - Pump up sprayer to high pressure
Day 30: 2 nd Application	1 - 2 gallons	
Day 60: 3 rd Application	1 - 2 gallons	- Direct SP4041 Algaecide stream into pond, not exceeding 10-15 feet

		<p>from shoreline</p> <p>- Spray evenly around pond edge</p>
<p>Continue applications on this schedule to maintain an algae free pond with remarkable clarity. If you start to see algae, switch to the Algae Treatment Program. (Below)</p>		

TABLE 3. Algae Treatment Program

Application Timing (an algae infestation has already appeared)	Gallons of SP4041 Algaecide 10,890 sq. ft. (0.25 Acre) with an average depth of 4 feet	Application Method
Day 1: Initial Application	3 - 5 gallons	<p>- Set spray nozzle to coarse spray</p> <p>- Pump up sprayer to high pressure</p> <p><u>For Planktonic algae</u></p> <p>Direct SP4041 Algaecide stream into pond, not exceeding 10-15 feet from shoreline; Spray evenly around pond edge</p>
Day 14: 2 nd Application	2 - 4 gallons	
Day 28: 3 rd Application	2 - 4 gallons	
Day 60: 4 th Application	1 - 2 gallons	<p><u>For Filamentous or plant-like algae</u></p> <p>Direct the spray stream onto the algae mats/beds, ensure to completely cover the beds with the SP4041 Algaecide spray solution, and apply evenly around the pond edge</p>
<ul style="list-style-type: none"> - Use the lower spray volumes for controlling planktonic algae - Use the higher spray volumes for controlling filamentous and plant-like algae - No need for product dilution when applying to control planktonic blooms - To entirely cover high levels of filamentous algae mats, SP4041 Algaecide may be diluted by as much as 50/50 with water to ensure enough spray volume to entirely cover all visible algae mats/beds - After the 3rd application, resume the Prevention Program 		

It is recommended to call SePRO Corporation TOLL FREE at 1-866-869-8521 and have a SePRO Pond Advisor accurately measure the size of your pond for you, or to discuss your personal strategy to keep your pond clear of unwanted algae.

SP4041 TREATMENT TIPS

- Best results are typically achieved by starting applications prior to having excessive algae densities.
- Apply mid-morning, on a sunny, calm day.
- Apply undiluted SP4041 Algaecide by surface spray application to the infested sites.
- If planktonic algae is the target, evenly distribute the SP4041 Algaecide spray stream around the entire pond, spraying the stream 10-15 feet out from the shore.
- If filamentous algae mats or plant like algae are the target, make sure to spray a coarse stream of SP4041 Algaecide directly onto the mats or into the water over the targeted algae. Be sure to spray SP4041 Algaecide to cover the entire surface of the algae mats. (In certain situations, SP4041 Algaecide may be diluted up to a 50% SP4041 Algaecide / 50% Water solution to have enough spray solution to completely cover all of the algae mats)
- Do not treat more than ½ of the surface area of the pond at any one time. (See **Environmental Hazards**)
- Begin by treating from the shoreline, outward toward the middle of water body, to allow fish to escape to refuge in the center of the water body.

IF ANY OF THE CONTENT OF THIS LABEL IS NOT UNDERSTOOD, OR YOU NEED FURTHER ASSISTANCE, CONTACT A SEPRO AQUATIC SPECIALIST, OR CALL 1-866-869-8521 WITH QUESTIONS SPECIFIC TO YOUR APPLICATION.

STORAGE AND DISPOSAL

Pesticide Storage: Keep from freezing. Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container.

If empty: Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

TERMS AND CONDITIONS OF USE

If terms of the following *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, to the extent consistent with applicable law, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies*.

WARRANTY DISCLAIMER

SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of

the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation or the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:

- (3) Refund of purchase price paid by buyer or user for product bought, or
- (4) Replacement of amount of product used.

To the extent consistent with applicable law, SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer*, *Inherent Risks of Use* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

Questions, Comments or Information
{graphic of phone} **Call 1-866-869-8521**

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[Version B: Residential uses - Base label for residential containers]



SP4041*

ALGAECIDE

READY-TO-USE

Active Ingredient:

Copper Sulfate Pentahydrate† (CAS# 7758-99-8) 16.2%

Other Ingredients 83.8%

TOTAL 100.0%

†Metallic Copper equivalent = 4.1%

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes 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.

FIRST AID

If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • 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. • 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 to 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 by 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**.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

STORAGE AND DISPOSAL

Pesticide Storage: Keep from freezing. Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container.

If empty: Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Refer to inside of label booklet for additional precautionary information and directions for use.

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.**

EPA Reg. No. 67690-55
FPL20120509

EPA Est. No. _____
[SPC-] _____

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

Algaecide

Net contents _____
Refillable/Nonrefillable container _____