Specimen Label

[ALL VERSIONS: Front of label booklet]

Oximycin® P5

Algaecide and oxidizer

Active Ingredients

Hydrogen Peroxide	26.5%
Peroxyacetic Acid	4.9%
Inert Ingredients	68.6%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO

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

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• 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. • Call 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 by 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**.	

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes on skin or on clothing. Wear goggles and/or face shield and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the undiluted product through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, rubber gloves, chemical resistant footwear plus socks, and protective eyewear (goggles or face shield).

Handlers who may be exposed to the diluted product through application or other tasks must wear: long-sleeved shirt and long pants, and shoes plus socks.

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

USER SAFETY RECOMMENDATIONS

Users should:

- 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.

FOR ENCLOSED ENVIRONMENTS

There is a restricted entry of one (1) hour for this product when applied via fogging or spraying to growing plants, surfaces, equipment, structures and non-porous surfaces in enclosed glasshouses and greenhouses. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls worn over long-sleeved shirt and pants, waterproof gloves and shoes plus socks.

There is a restricted entry of zero (0) hours for mop, sponge, dip, soak, rinse or other non-spraying application methods when used in enclosed environments such as glasshouses and greenhouses.

PHYSICAL AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT. CORROSIVE. Mix only with water. Product must be diluted in accordance with label directions prior to use. Oximycin P5 is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate combustion.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk. Do not discharge effluent containing this product into lakes,

streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the US Environmental Protection Agency.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation.

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 (in this labeling) about (use any of the following that are applicable) personal protective equipment, restricted entry interval, and notification to workers. 40 CFR 156.206 (b)(2).

FOR FIELD APPLICATIONS

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected person out of treated area until sprays have dried.

CHEMIGATION GENERAL REQUIREMENTS
(NOT APPROVED IN THE STATE OF CALIFORNIA)

1. Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move flood (basin) furrow border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

5. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
6. 6.Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in patient clinics, nursing homes or any public areas such as schools parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

7. Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

8. All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

SPECIFIC REQUIREMENTS FOR CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS (NOT APPROVED IN THE STATE OF CALIFORNIA)
Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

1. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPA the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

2. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

5. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

6. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR SPRINKLER CHEMIGATION
(NOT APPROVED IN THE STATE OF CALIFORNIA)

The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

1. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

2. The pesticide injection pipeline must contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

3. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

4. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

5. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

6. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR FLOOD (BASIN), FURROW AND BORDER CHEMIGATION AND FOR DRIP (TRICKLE) CHEMIGATION
(NOT APPROVED IN THE STATE OF CALIFORNIA)

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

The systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

APPLICATION INSTRUCTIONS
(NOT APPROVED IN THE STATE OF CALIFORNIA)

1. Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.

2. Determine the treatment rates as indicated in the directions for use and make a proper dilution.

3. Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required. The product will immediately go into solution without required agitation.

4. Oximycin P5 may be applied in conjunction with other pesticides or fertilizers. Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Conduct a compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the labels of all products used in mixtures.

TO PREVENT AND CONTROL ALGAE AND CYANOBACTERIA IN WATERS
(NOT APPROVED IN THE STATE OF CALIFORNIA)

Use Oximycin P5 to suppress, control and prevent algae and cyanobacteria in the following waters: Ponds, Lakes, Lagoons, Water Gardens, Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Bird Baths, Irrigation Ponds, Rice/Wild Rice Fields and Paddies, Farm Ponds, Impounded Waters, Bilge Water, Reservoirs, Waterways, Conveyance Ditches, Canals, Laterals, Drainage Systems, Catch Basins, Sewage Lagoons and Pits, Feedlot Run-Off Lagoons, Sewage Systems, Fire Ponds, Watering Tanks, Storage Tanks, Water Collectors.

Determine Water Volume

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

Square/Rectangular: L(ft) x W(ft) x D(ft) x 7 .5 = Gallons L(m) x W(m) x D(m) x 1,000 = Liters

Circular/Elliptical: L(ft) x W(ft) x D(ft) x 5.9 = Gallons L(m) x W(m) x D(m) x 786 = Liters

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

Application Rates

Apply Oximycin P5 at the rate of 3.0-30.8 gallons per acre-ft of water. Use higher rates when existing algae density is high (algae blooms) and/or when dealing with resistant algae types.

Algae / Growth Density	**Gallons Oximycin P5 Per Acre Foot**
Low Density	3.0
Moderate Density	7.7
High Density	13.8
Extreme Density (full bloom)	30.8

Application Methods

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

SPOT TREATMENT**:** Apply Oximycin P5 directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID TREATMENT**:** Surface spray (or inject) spray solution on the water surface from shore or a boat equipped with aquatic spray or injection equipment. Use a rate up to 26 gallons per acre-foot for surface spray or injection treatment. Use in accordance with manufacturer's spray equipment instructions.

INJECTION TREATMENT**:** Inject solution into the water via a piping system.

GENERAL TREATMENT NOTES

- Control is best achieved when algae are not yet well established. Treat in early spring or summer when growth first begins to appear.
- The application rates are variable and depend upon algae species, water hardness, and amount of algae present.
- Use higher application rates for filamentous algae (pond scum) and lower application rates for planktonic algae. If there is uncertainty about the application rate begin with a lower application rate and increase until control is achieved or until maximum allowable level has been reached.
- Treatment of algae can result in oxygen loss from the decomposition of dead or decaying algae. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. In regions where ponds freeze in winter, treatment should be done 4 to 6 weeks before expected freeze to prevent masses of decaying algae under an ice cover.
- Apply early in the day under calm, sunny conditions, when water temperatures are warm. Sunlight and higher temperatures both enhance activity.

- Apply evenly over the water surface directly over the algae to be treated.
- Break up any heavy floating algae mats before or during application.
- If using in conjunction with other water additives (such as bacteria or enzymes), always apply Oximycin P5 first and wait 48 hours before adding any other products.
- Re-treat areas if re-growth begins to appear. Allow 48 hours between consecutive treatments.
- Maintain an algae free pond with maintenance rates at a frequency appropriate for your environmental conditions.
- Jar test first when tank mixing with copper-based chemistries. Spray tank must be clean to begin mixing. Vent cap to allow oxygen release.

ALGAE CONTROL IN RICE/WILD RICE FIELDS AND PADDIES
(NOT APPROVED IN THE STATE OF CALIFORNIA)
Use Oximycin P5 to suppress/control algae in rice fields and paddies. Apply the product at a rate of 6.3 - 12.6 gallons per surface acre using conventional sprayer equipment or aerial application. This is equivalent to 12.48 - 21.7 ppm of hydrogen peroxide and 2.5 - 5.0 of peroxyacetic acid per surface acre of water with a 5-inch depth. Apply at the first signs of algae. Applications are most effective when made before rice rises to the water surface. Apply the product as needed to control and prevent algae growth; apply more often in times of higher water temperatures.

STOCK TANKS AND LIVESTOCK WATER
(NOT APPROVED IN THE STATE OF CALIFORNIA)
Use Oximycin P5 to suppress/control algae, odor causing and slime-forming bacteria and sulfides in stock tanks, stock watering ponds, tanks and troughs, and livestock water. Apply 1.29 - 6.48 fluid ounces of the product per 250 gallons of water (2 - 11 ppm of 100% peroxyacetic acid) for algae control. Product can be simply added to the body of water. Where existing algae mats are present at time of treatment, the most effective control will be obtained by breaking up mats and/or evenly dispersing diluted Oximycin P5 over the algal mats. Apply the product as needed to control and prevent algal growth; apply more often in times of higher water temperature.

DRIP SYSTEM APPLICATION FOR LIVESTOCK WATERING TANKS
(NOT APPROVED IN THE STATE OF CALIFORNIA)
Tanks fed by a continuous flow of spring or well water can be equipped with a chemical drip system designed to meter-in Oximycin P5 based upon water flow rates. Pre-dilute the product at a 1:245 rate or 4 mL/minute water flow rate. Treat continuously or as needed to control and prevent algal regrowth.

SEWAGE WATER TREATMENT
(NOT APPROVED IN THE STATE OF CALIFORNIA)
Use Oximycin P5 for the control of bacteria and the malodors caused by hydrogen sulfide gas. Application rates may vary depending on amounts of organic matter (sewage) in lagoons and pits. Pour product directly from the container into pit or lagoon at several locations to aid in dispersal. Use 1.296 gallons of the product for 60,000 gallons (8,000 cubic feet) of sewage. For best results, disperse the product evenly throughout sewage. Odors should be noticeably reduced in 1 - 2 weeks. Repeat application when odor reappears. For lagoons, wait 24 hours before adding beneficial bacteria.

IRRIGATION CONVEYANCE SYSTEMS AND OTHER MOVING WATER (NOT APPROVED IN THE STATE OF CALIFORNIA)

Use Oximycin P5 to suppress/control algae in flowing water systems. Apply the product at first signs of algae as needed to control and prevent algae growth. Apply more often in times of higher water temperatures. Distance of control down the waterway will vary depending upon density of growth and water flow rates (C.F.S.). Inject the product for a minimum of 4 hours. Treatments of longer duration or more frequent intervals along the channel may be necessary.

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

Average Width (feet) x Average Depth x Velocity* (feet/ second) x 0. 9 = Cubic Feet per Second (C.F.S.)

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

After accurately determining the water flow rate in C.F.S., find the corresponding application rate of Oximycin P5 in the chart below.

Algae / Growth Density	**Application Rate per C.F.S.**
Low Density	0.525 gallons
Moderate Density	1.08 gallons
High Density	1.62 gallons
Extreme Density (full bloom)	2.16 gallons

HARD SURFACE DISINFECTION

Oximycin P5 disinfects as it cleans in one operation. Oximycin P5 can be used to disinfect floors, walls and other hard nonporous surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, tile and use sites on this label made from linoleum, vinyl, non-porous glazed porcelain, plastic (such as polypropylene and polyethylene), stainless steel, or glass.

COMBINATION DISINFECTION AND CLEANING

Oximycin P5 is effective against *Staphylococcus aureus*, *Salmonella choleraesuis* (ATCC10708), *Trichophyton mentagrophytes* (ATCC 9533), and *Escherichia coli* 0157:H7 (ATCC 35150) at 0.23% (1.5 fl. oz./5 gal.) in hard water (400 ppm as $CaCO_3$) and 5% fetal bovine serum on hard nonporous surfaces. For heavily soiled areas a pre-cleaning step is required. Apply solution with mop, cloth, sponge, brush, scrubber, or coarse spray device, or by soaking so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove solution and entrapped soil with a clean wet mop, cloth, or wet vacuum pickup. Prepare a fresh solution daily or when it becomes soiled or diluted.

When used as directed, Oximycin P5 is specifically designed to disinfect, deodorize and clean inanimate, hard, surfaces such as walls, floors, sink tops, and furniture. In addition, Oximycin P5 will deodorize those areas which are generally hard to keep smelling fresh such as, garbage storage areas, empty garbage bins and cans, and any other areas which are prone to odors caused by microorganisms.

All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

STORAGE AND DISPOSAL

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

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

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

Container Disposal:

Non-refillable, rigid container. DO NOT reuse or refill this container.

CONTAINERS 5 GALLONS OR GREATER. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth ensuring at least 1 complete revolution, for 30 seconds. Stand container on its end and tip back and forth several times. Empty rinsate into application equipment, mix tank, or store for disposal. Then offer for recycling, or dispose in a sanitary landfill, or incineration if allowed by state and local authorities by burning.

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 any 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 adverse consequences if this product is not used according to its label directions. To the extent consistent with applicable law, 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.

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