Specimen Label

Komeen*

Aquatic Herbicide

SePRO

For use in Slow Moving or Quiescent Bodies of Water, including Golf Course, Ornamental, Fish, and Fire Ponds; Fresh Water Lakes, Fish Hatcheries and Potable Water Reservoirs. Areas treated with Komeen may be used for fishing, swimming, drinking and watering livestock immediately after treatment.

Active Ingredient

Copper† as elemental	8%
Inert Ingredients	92%
Total	100%

†Derived from copper-ethylenediamine complex and copper sulfate pentahydrate. One gallon contains 0.8 pounds of elemental copper.

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION / PRECAUCIÓN

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.)

Harmful if swallowed. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Do not apply this product in a manner as to directly expose workers or other persons.

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 by mouth 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. • Call 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 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.

EMERGENCY 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**.

Refer to label booklet for additional precautionary information and Directions for Use.

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

For additional information on our products, please visit **www.sepro.com**.

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SePRO Corporation Carmel, IN 46032 U.S.A.

Environmental Hazards

This product may be toxic to fish. Trout and other species of fish may be killed at application rates recommended on this label. Generally, fish toxicity is reduced as water hardness increases. Consult State Fish and Game Agency before applying this product to public waters.

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

General Information

Komeen* provides effective control of Hydrilla (*Hydrilla verticillata*), Brazilian Elodea (*Egeria densa*), Southern/Northern Naiads (*Najas* sp.), Coontail (*Ceratophyllum demersum*), Common Elodea (*Elodea canadensis*), Water Lettuce (*Pistia stratiotes*) and Waterhyacinth (*Eichhornia crassipes*). Under certain water quality conditions, such as low water hardness, Komeen may also control Eurasian Watermilfoil (*Myriophyllum spicatum*), Sago Pondweed (*Potamogeton pectinatus*) and American Pondweed (*Potamogeton nodosus*). Komeen may be applied to slow moving or quiescent bodies of water including potable water reservoirs and recreation lakes, golf course, ornamental, fish, and fire ponds.

Komeen may be tank mixed with other herbicides, such as fluridone, diquat and endothall for control of a broader weed spectrum (refer to the directions for use for specific directions). Observe all precautions and limitations on the labels of all products used with Komeen.

The effectiveness of Komeen is based upon its penetration into plant tissues; therefore, proper placement of the product is essential. When weeds are actively growing, apply Komeen to the area where the greatest concentration of foliage is located in a manner that will deposit the herbicide on leaf surfaces. The activity of Komeen may be reduced if silt or algae are present in the water or cover the weeds. If algae are present or cover the weeds, the effectiveness of Komeen may be improved by tank mixing with an algaecide, such as K-Tea*.

Komeen may be applied by aircraft, sprayer or spray boat as a surface spray, as a subsurface spray through weighted hoses, in an invert emulsion, or mixed with a polymer, as appropriate (see specific instructions and use chemicals cleared for application to growing crops). As a surface or subsurface application, Komeen may be applied diluted or undiluted, whichever is most suitable to ensure uniform coverage of the area to be treated.

Komeen requires a minimum of 12 to 24 hours of contact with the target weeds in order to provide effective control. If the treatment has been successful, the aquatic weeds will drop below the surface of the water within 3 to 7 days after treatment. If this effect is not observed, Komeen may be reapplied 10 to 14 days after the initial application. Once weeds drop below the surface, it can take up to 6 weeks to realize the full effect of the treatment.

Undiluted Komeen or concentrations above 1.0 ppm Cu^{++} may be injurious to crops, grass, ornamentals and other foliage. Do not apply in such a way that the concentrated product comes in contact with crops, ornamentals, grass or desirable plants. Apply only as specified on this label.

In areas heavily infested with aquatic weeds or if water temperature is high, treatment can result in oxygen loss from decomposition of dead vegetation, which can cause fish suffocation. To minimize this hazard, do not treat more than 1/2 of the water body in a single operation. Add only enough Komeen for the actual area being treated. Wait 10 to 14 days before treating the remaining area. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas.

Water Use Restrictions

If treated water is a source of potable water, the residue of copper must not exceed 1 ppm.

Application rates for aquatic weed control in quiescent or slow moving water

Weed Pest	Copper Level Required for Control (ppm)**
Hydrilla verticillata (Hydrilla)	**0.75 - 1.0**
Suppression of	
Eichhornia crassipes (Waterhyacinth)	**0.75 - 1.0**
Egeria densa (Brazilian Elodea)	**0.50 - 0.75**
Najas sp. (Southern/Northern Naiads)	**0.50 - 1.0**
Ceratophyllum demersum (Coontail)	**0.50 - 1.0**
Elodea canadensis (Common Elodea)	**0.50 - 1.0**
Myriophyllum spicatum (Eurasian Watermilfoil)***	**0.75 - 1.0**
Potamogeton pectinatus (Sago Pondweed)***	**0.75 - 1.0**
Potamogeton nodosus (American Pondweed)***	**0.75 - 1.0**
Pistia stratiotes (Water Lettuce)	**0.75 - 1.0**

** Use lower rate in light infestations and higher rate for heavier infestations.

***Control only in low water hardness.

Do not apply more than 1.0 ppm copper.

Application Rate Calculation

For large bodies of water, determine the size (in acres) and the average depth (in feet) of the area to be treated. Application rates are calculated by using the following formula to obtain the appropriate copper concentration:

Desired Concentration of Cu^{++} (ppm) x Average Depth of Water (feet) X 3.34 = Gallons of Komeen Per Surface Acre

To calculate the area and average depth of a lake or pond, use the following formulas. All measurements (length, width, radius, depth) should be in feet.

Area of a square or rectangle (ft^2) = length x width

Area of a circle (ft^2) = radius x radius x 3.14

Average Depth (ft) = sum of all depth measurements ÷ number of measurements.

The more measurements taken, the more accurate the average depth will be.

1 gallon = 4 quarts or 8 pints or 16 cups or 128 fluid ounces
1 quart = 2 pints or 4 cups or 32 fluid ounces
1 acre = 43,560 square feet
1 acre-foot = 43,560 cubic feet = 325,762 gallons = 2,720,000 pounds

Average water depth of treatment site (feet)	Gallons of Komeen per surface acre to achieve the desired copper concentration		
	0.5 ppm	0.75 ppm	1.0 ppm
1	1.7	2.5	3.3
2	3.3	5.0	6.7
3	5.0	7.5	10.0
4	6.7	10.0	13.4
5	8.4	12.5	16.7
6	10.0	15.0	20.0
7	11.7	17.5	23.4
8	13.4	20.0	26.7
9	15.0	22.5	30.1
10	16.7	25.1	33.4

For smaller bodies of water, determine the size (in square feet) and the average depth (in feet) of the area to be treated.

Average water depth of treatment site (feet)	Fluid ounces of Komeen 1,000 square feet to achieve the desired copper concentration		
	0.5 ppm	0.75 ppm	1.0 ppm
1	5.0	7.5	10.0
2	10.0	15.0	20.0
3	15.0	22.5	30.0
4	20.0	30.0	40.0
5	25.0	37.5	50.0
6	30.0	45.0	60.0
7	35.0	52.5	70.0
8	40.0	60.0	80.0
9	45.0	67.5	90.0
10	50.0	75.0	100.0

Methods of Application

Do not allow spray to drift.

SPRAY BOAT
Surface Application: Surface applications may be made near shorelines or in shallow water (4 feet or less).

Subsurface Application: In deep water (4 feet or more), make a subsurface application of Komeen* at recommended rates through weighted trailing hoses where the greatest concentration of foliage exists, and where deposit on leaf surfaces will be assured. Do not drag hoses on the bottom.

Invert Application: Komeen will invert easily using either tank mix or bi-fluid mixer techniques. Invert applications should be made through weighted hoses dragged below the surface of the water. The invert emulsion will form tiny droplets that will adhere to the submerged vegetation and release the herbicide in close proximity to the plant. Do not drag hoses on the bottom.

The emulsifier should release Komeen at a rate fast enough to be quickly absorbed by the plant tissue but not so fast that it can be washed away from the treatment area. The invert emulsion should have a heavy viscous consistency much like mayonnaise.

Apply Komeen in an appropriate invert system. The ratios given below should be used only as a guide in the preparation of a Komeen invert emulsion. It is best to test the invert system to be used prior to application to ensure proper results. The tightness and weight of the invert may be altered by slight changes in the suggested ratios.

Approximate ratios for tank mix systems:
80 gallons water : 3 gallons invert oil : 8 gallons Komeen.

Approximate ratios for bi-fluid mixer systems:
60 gallons water : 3 gallons invert oil : 16 gallons Komeen.

In areas of heavy weed growth, invert application may produce a streaking effect due to localized control where the hoses were drug. For such areas, a direct application is preferred. Repeating an application of Komeen to a treated area within a short time after the first treatment may not increase effectiveness.

Polymer Application (Except CA): A polymer may be added to Komeen or a Komeen/water premix to improve sinking, deposition and retention of the spray. Consult the manufacturer's recommendations regarding the use of a polymer for improved aquatic weed control.

SPRAY EQUIPMENT
Direct Surface Application: Surface application may be effective near shorelines or in shallow water.

Polymer Application (Except CA): Apply the recommended rate of Komeen in 100 to 400 gallons of total spray solution per surface acre. Add the recommended rate of sinking agent to the spray solution. Maintain constant agitation during addition of the polymer and continue through application. The polymer adheres to Komeen and forms strings that sink and stick to the aquatic vegetation. When treating slow moving water, the spray rig should move at a slow pace (4 to 5 mph) counter to the flow of water. Apply the spray solution to the area of densest foliage.

AIRCRAFT APPLICATION
Polymer Application (Except CA): Apply the recommended rate of Komeen* in 20 gallons of total spray solution per surface acre. Add the recommended rates of a drift control or sinking agent to the spray solution. Maintain constant agitation during addition of the polymer and continue through application. When treating slow moving water, apply the spray solution counter to the flow of water.

TANK-MIX

Komeen* + Diquat Tank-mix: Komeen can be mixed with Diquat (diquat dibromide (1,2-a:2',1'-c) pyrazinediium dibromide 35.3%) and be applied by helicopter for control of Bladderwort, Curlyleaf Pondweed, Leafy Pondweed, Richardson Pondweed, Small Pondweed, Cattail, Common Elodea, Duckweed, Water Lettuce, Eurasian Watermilfoil, Floatingleaf Pondweed, Coontail, Common Salvinia, Southern Naiad, Slender Naiad, Sago Pondweed, Pennywort, Hydrilla and Waterhyacinth in accordance with the more restrictive of the label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Mix 20 gallons of Komeen with 10 gallons of Diquat and 2 gallons of Nalquatic® per 100 gallons of water. Apply at the rate of 20 gallons per acre (equivalent of 4 gallons Komeen, 2 gallons Diquat and 0.4 gallons Nalquatic per surface acre). Algae on plant surfaces may interfere with uptake of herbicides. Use K-Tea* algaecide prior to this application to remove excess algae and improve control.

Komeen + Endothall Tank-mix (Except CA): Komeen can be mixed with endothall (dipotassium salt of endothall 40.3%) and be applied as a uniform surface spray or injected under the water's surface for control of Najas, Elodea, Coontail, *Potamogeton*, Watermilfoil, *Zannichellia, Vallisneria, Cladophora, Pithophora, Spirogyra, Chara,* American Pondweed and Sago Pondweed in accordance with the more restrictive of the label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Mix 20 gallons of Komeen with 15 gallons of endothall in 100 gallons of water. Apply at the rate of 20 gallons per surface acre (equivalent to 4 gallons Komeen, 3 gallons endothall). Algae on plant surfaces may interfere with uptake of herbicides. Use K-Tea algaecide prior to this application to remove excess algae and improve control.

Komeen + Fluridone Tank-mix (Except CA): Komeen can be mixed with 41.7% fluridone, such as Sonar*, and be applied as a uniform surface spray or injected under the water's surface for control of Common Duckweed, Spatterdock, Bladderwort, Fanwort (*Cabomba*), Watermilfoil, Paragrass, Common Elodea, Brazilian Elodea, Najas Elodea, Naiad, Coontail, American Pondweed and Sago Pondweed in accordance with the more restrictive of the label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Mix 20 gallons of Komeen with 1.5 quarts of Sonar in 100 gallons of water. Apply at the rate of 20 gallons per surface acre (equivalent to 4 gallons Komeen, 0.3 quarts Sonar). Algae on plant surfaces may interfere with uptake of herbicides. Use K-Tea algaecide prior to this application to remove excess algae and improve control.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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. 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 as the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

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.

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 above and this Limitation of Remedies can not 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 Limitations of Remedies in any manner.