AQUATIC HABITAT MANAGEMENT

AQUATHOL® SUPER K

GRANULAR AQUATIC HERBICIDE

For aquatic plant control in quiescent, slow moving, and flowing water aquatic sites.

ACTIVE INGREDIENT:	
Dipotassium salt of endothall*	63.0%
OTHER INGREDIENTS:	37.0%
TOTAL	100.0%

*7-oxabicyclo [2.2.1]heptane-2,3-dicarboxylic acid equivalent 44.7%

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.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 866-673-6671 (Rocky Mountain Poison Control Center) for emergency medical treatment information.

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

EPA Registration No. 70506-191

Batch/Lot No. _____

Net Weight: _____

UPI
United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071

PRODUCT INFORMATION

Aquathol Super K is a granular aquatic herbicide which is effective against a broad range of aquatic plants. Dosage rates indicated for the application of Aquathol Super K are measured in parts per million (ppm) of dipotassium endothall.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. MAY BE FATAL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Socks and shoes,
- Chemical resistant gloves,
- Protective eyewear,
- NIOSH-approved half- or full-face respirator with a cartridge or canister approved for dusts and mists or a cartridge with any N, R, P, or HE filter. Note: the quarter-face cupstyle respirator does not meet this requirement.
  Exception: During application, the respirator need not be worn, *provided* that the pesticide is applied in a manner (such as direct metering or subsurface applications from the rear of a vessel that is moving into the wind) that the applicator will have no contact with the pesticide.

See Engineering Controls for additional requirements.

User Safety Requirements:

Follow the manufacturers' 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 or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering Controls:

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40CFR170.240(d)(6)]. Exception: Enclosed cockpit is not required when applications are made from a helicopter utilizing a suspended hopper (minimum distance of 25') with remote actuation of the application equipment such as the helicopter mounted Simplex Spreader.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is toxic to mammals.

Treatment of aquatic plants can result in oxygen loss from decomposition of dead plants. This loss can cause fish suffocation. Water bodies containing very high plant density should be treated in sections to prevent suffocation of fish.

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.

- For quiescent or slow moving water treatments: Waters treated with Aquathol Super K may be used for swimming, fishing, and irrigating turf, ornamental plants and crops immediately after treatment with the following exceptions: Do not use the Aquathol Super K treated water to irrigate the following for 7 days after the treatment: annual nursery or greenhouse crops including hydroponics and newly seeded or transplanted annual crops, newly seeded or transplanted ornamentals, and newly sodded or seeded turf. Do not use treated water for animal consumption within the following periods:

  0.5 ppm dipotassium salt – 7 days after application

  4.25 ppm dipotassium salt – 14 days after application

  5.0 ppm dipotassium salt – 25 days after application
- For flowing water treatments: Waters treated with Aquathol Super K may be used for swimming, fishing, livestock watering, and irrigating turf, ornamental plants and crops immediately after treatment with the following exceptions: Do not use the Aquathol Super K treated water to irrigate the following: annual nursery or greenhouse crops including hydroponics and newly seeded or transplanted annual crops, newly seeded or transplanted ornamentals, and newly sodded or seeded turf.
- Phytotoxicity is not expected on plants or crops irrigated with Aquathol Super K treated water, however, all species and cultivars (varieties) have not been tested.
- Do not use Aquathol Super K treated water for chemigation as interactions between Aquathol Super K and other pesticides and fertilizers are not known.
- Avoid contact with desirable plants or crops as injury may result.
- Do not use Aquathol Super K in brackish or saltwater.
- Avoid contact of granules directly or by drift with non-target plants or crops as injury may result.

HOW TO APPLY:

Aquathol Super K is a contact herbicide; consequently, apply when target plants are present. Apply Aquathol Super K as evenly as possible over areas to be treated.

Drinking Water (Potable Water)

Consult with appropriate state or local water authorities before applying this product to public waters. State or local agencies may require permits.

The drinking water (potable water) restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of endothall acid in the water is less than the MCL (Maximum Contamination Level) of 0.1 ppm. Applicators should consider the unique characteristics of the treated waters to assure that endothall acid concentrations in potable drinking water do not exceed 0.1 ppm at the time of consumption.

For Lakes, Ponds, and other Quiescent Water Bodies:

- For Aquathol Super K applications, the drinking water setback distance from functioning potable water intakes in the treated water body must be greater than or equal to 600 feet.
- Note: Existing potable water intakes that are no longer in use, such as those replaced by a connection to a municipal water system or a potable water well, are not considered to be functioning potable water intakes.

For Flowing Water Bodies:

- Applicator is responsible to assure that treated water does not enter potable water intakes. For Aquathol Super K applications, potable water intakes must be closed when treated water is present at the intake. In the event the water intake cannot be closed, treatments must only be made downstream from the intake in order to assure Aquathol Super K treated water does not enter the potable water system.

QUIESCENT, SLOW MOVING OR FLOWING WATER TREATMENTS

Aquathol Super K is recommended for the control of the aquatic plants listed in the chart below at the rates indicated.

Use higher labeled rates of Aquathol Super K when making treatments to small areas with an increased potential for rapid dilution or when treating narrow areas such as for boat lanes or shoreline treatments where dilution may reduce the exposure of plants to the herbicide.

Use lower labeled rates of Aquathol Super K for large contiguous treatment blocks or in protected areas such as coves where reduced water movement will not result in rapid dilution of Aquathol Super K from the target treatment area or when treating entire lakes or ponds.

PLANTS CONTROLLED AND AQUATHOL SUPER K DOSAGE RATE CHART

	APPLICATION RATE			
	Entire Pond/Lake or Large Area Treatment		Spot or Lake Margin Treatment	
Aquatic Plant	ppm Dipotassium Endothall	lbs. Aquathol Super K per Acre Ft.	ppm Dipotassium Endothall	lbs. Aquathol Super K per Acre Ft.
Bur Reed, Sparganium spp.	3.0-4.0	13.2-17.6	4.0-5.0	17.6-22.0
Coontail, Ceratophyllum spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Horned Pondweed, Zannichellia palustris	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Sago Pondweed, Stuckenia pectinata	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Hydrilla, Hydrilla verticillata	1.0-4.0	4.4-17.6	3.0-5.0	13.2-22.0
Hygrophila*, Hygrophila polysperma	4.0-5.0	17.6-22.0	5.0	22.0
Milfoil, Myriophyllum spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Naiad, Najas spp.	2.0-4.0	8.8-17.6	3.0-5.0	13.2-22.0
Pondweed, Potamogeton spp.	0.75-3.0	3.3-13.2	1.5-5.0	6.6-22.0
Including:				
American, P. nodosus	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Largeleaf (Bass Weed), P. amplifolius	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Curlyleaf, P. crispus	0.75-1.5	3.3-6.6	1.5-5.0	6.6-22.0
Flatstem, P. zosteriformis	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Floating-leaf, P. natans	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Illinois, P. Illinoensis	1.5-2.5	6.6-11.0	2.5-5.0	11.0-22.0
Narrowleaf, P. pusillus	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Threadleaf, P. filiformis	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Variable Leaf, P. diversifolius	1.0-2.0	4.4-8.8	2.0-5.0	8.8-22.0
Parrotfeather, Myriophyllum aquaticum	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0
Water Stargrass, Heteranthera spp.	2.0-3.0	8.8-13.2	3.0-5.0	13.2-22.0

* Suppression only

The following charts indicate the quantity of Aquathol Super K to be applied.

Pounds of Aquathol Super K to Treat One Acre-Foot of Water

	Rate (ppm)						
	0.75	1.0	1.5	2.0	3.0	4.0	5.0
	lbs./A-ft.						
1 acre ft.	3.3	4.4	6.6	8.8	13.2	17.6	22

Ounces of Aquathol Super K to Treat 1,000 Square-Feet per Foot of Depth

	Rate (ppm)						
	0.75	1.0	1.5	2.0	3.0	4.0	5.0
	oz./1,000 ft.^{2}						
1,000 ft.^{2}	1.2	1.6	2.4	3.2	4.8	6.4	8.0

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal instructions listed below.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

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

(if plastic bag) Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EMERGENCY TELEPHONE NUMBERS:

CHEMTREC: (800) 424-9300

MEDICAL: (866) 673-6671

Rocky Mountain Poison Control Center

IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

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