



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

September 9, 2022

Brien O'Loughlin  
Agent for UPL NA, Inc.  
c/o Pyxis Regulatory Consulting, Inc.  
4110 136<sup>th</sup> St. Ct. NW  
Gig Harbor, WA 98332

**Subject:** Notification per PRN 98-10 – Update hotline information, referral statements, and company trademarks  
Product Name: Aquathol Super K Granular Aquatic Herbicide  
EPA Registration Number: 70506-191  
Application Date: July 15, 2022  
Decision Number: 586422

Dear Mr. O'Loughlin:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "NOTIFICATION" and placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact me at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov) or at (202)566-2857.

Sincerely,

A handwritten signature in cursive script that reads "Mindy Ondish".

Mindy Ondish  
Product Manager 23  
Herbicide Branch  
Registration Division (7505T)  
Office of Pesticide Programs

**NOTIFICATION**

70506-191

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/09/2022

Aquathol Super K Granular Aquatic Herbicide

Notification – label draft

July 15, 2022

**AQUATHOL® SUPER K  
GRANULAR AQUATIC HERBICIDE**

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

**ACTIVE INGREDIENTS:**

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%

{OPTIONAL REFERRAL STATEMENTS FOR COMMERCIAL PACKAGING:}

[See inside for additional Precautionary Statements and Directions For Use.]

[See attached booklet for additional Precautionary Statements.]

[See attached booklet for Conditions Of Sale and Limitation of Warranty and Liability.]

[See attached booklet for complete Directions for Use.]

[See label for additional Precautions and Directions for Use]

[See inside label booklet for Additional Precautions, Directions for Use, and Storage and Disposal]

**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.)

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p><b><u>EMERGENCY ASSISTANCE:</u></b> Have the product container or label with you when calling a poison control center or doctor or going for treatment. <del>You may also contact 866-673-6671 (Rocky Mountain Poison and Drug Center) for emergency medical treatment information.</del></p> <p><b><u>FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671</u></b></p> <p><b><u>FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300.</u></b></p>	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Registration No. 70506-191

EPA Establishment No. \_\_\_\_\_

Batch/Lot No. \_\_\_\_\_

Net Weight: \_\_\_\_\_

**UPL NA Inc.**

630 Freedom Business Center, Suite 402

King of Prussia, PA 19406

**1-800-438-6071**

**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 thoroughly after handling and 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.

#### **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.

#### **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.

- When used as directed, 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.
- Contact with desirable plants or crops may result in injury.
- Do not use Aquathol Super K in brackish or saltwater.
- Contact of granules directly or by drift with non-target plants or crops may result in injury.
- UPL NA Inc. recommends not reducing Aquathol Super K rates below those specified within this label, when using Aquathol Super K in a treatment combination with product(s) containing ALS inhibitor active ingredients, unless specified otherwise on this label or a UPL NA Inc. supplemental label.

#### **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 must 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 exceeding the MCL of 0.1 ppm does not enter potable water intakes. For Aquathol Super K applications, potable water intakes must be closed when treated water exceeding the MCL of 0.1 ppm is present at the intake. In the event the water intake cannot be closed (when treated water will exceed 0.1 ppm), treatments must only be made downstream from the intake in order to assure Aquathol Super K treated water above 0.1 ppm does not enter the potable water system.

**QUIESCENT, SLOW MOVING OR FLOWING WATER TREATMENTS**

Aquathol Super K is labeled 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 RATES FOR  
APPLICATIONS TO QUIESCENT, SLOW MOVING, OR FLOWING WATER**

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

\*Suppression only

**Restriction for flowing waters used for irrigation of food crops:** Do not apply more than 30 ppm per growing season, not to exceed 5 ppm per application. Do not apply more than a total of 5 ppm within a 7-day interval.

**Note:** There is no Pre-harvest Interval (PHI) for crops irrigated with treated water.

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
1 acre ft	lbs/A-ft						
	3.4	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
1000 ft <sup>2</sup>	oz/1000 ft <sup>2</sup>						
	1.2	1.6	2.4	3.2	4.8	6.4	8.0

**Ponds and Small Lakes with little to no outflow**

The following directions are intended for ponds and small lakes with minimal outflows to assure adequate contact time with the weeds.

Apply Aquathol Super K directly to the perimeter or in multiple locations around the perimeter of the water body. This will allow for rapid mixing throughout the water body as well as the water column.

For best results, apply in early Spring when weeds are actively growing with a minimum of 24 hours contact time.

Apply Aquathol Super K at the following rate:

**PLANTS CONTROLLED AND AQUATHOL SUPER K DOSAGE RATES FOR  
SURFACE OR INJECTED APPLICATIONS IN PONDS AND SMALL LAKES**

Aquatic Plant	Application Rate	Concentration (ppm)
Coontail ( <i>Ceratophyllum</i> spp.) Horned Pondweed ( <i>Zannichellia palustris</i> ) Milfoil ( <i>Myriophyllum</i> spp.) Parrotfeather ( <i>Myriophyllum aquaticum</i> ) Water Stargrass ( <i>Heteranthera</i> spp.) Naiad ( <i>Najas</i> spp.) Hydrilla ( <i>Hydrilla verticillata</i> ) Sago Pondweed ( <i>Stuckenia pectinate</i> ) Pondweed ( <i>Potamogeton</i> spp.)	7.5 lbs. Aquathol Super K per acre ft.	1.75 ppm

\*Suppression only

The following chart exemplifies the quantity of Aquathol Super K to be applied.

Examples of Aquathol Super K required for Treatment, Average Depth 4ft. (1.75ppm).

<b>Amount of Aquathol Super K to treat ½ acre</b>	<b>Amount of Aquathol Super K to treat 1 acre</b>
15 lbs.	30 lbs.

**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 Plastic Containers (Capacity Equal to or Less Than 50 Pounds):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container 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. Offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

**Nonrefillable Plastic Bags:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities.

**~~EMERGENCY TELEPHONE NUMBERS:~~**

**~~CHEMTREC: (800) 424-9300~~**

**~~MEDICAL: (866) 673-6671~~**

**~~Rocky Mountain Poison and Drug 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 UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA Inc. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA Inc. and Seller harmless for any claims relating to such factors.

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{Note to Reviewer: Text within brackets [ ] is optional.

Text within braces { } will not appear on final label.}