

67690-30

11/26/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Laurent Mezin
SePRO Corporation
11550 North Meridian Street
Suite 600
Carmel Indiana 46032 4565

11 26 12

Subject EPA Reg 67690 30 / Fluridone SC Notification

Dear Laurent Mezin

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98 10 dated 9 28 12 for the product EPA Reg 67690 30 / Fluridone SC. 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 will be placed in our records.

If you have any questions please call Erik Kraft at 703 308 9358 or email at Kraft.Erik@epa.gov

Sincerely

A handwritten signature in black ink, appearing to read "K. Montague".

Kathryn Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

Please read instructions on reverse before completing form

Form Approved OMB No 2070 0060 Approval expires 05 31 98

EPA	United States Environmental Protection Agency Washington DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide Section I

1 Company/Product Number 67690 30	2 EPA Product Manager Kathryn Montague	3 Proposed Class <input checked="" type="checkbox"/> Non- <input type="checkbox"/> Restricted
4 Company/Product (Name) SePRO / Fluridone SC	PM# 23	
5 Name and Address of Applicant (Include ZIP Code) SePRO CORPORATION 11550 N Meridian St Suite 600 Carmel IN 46032 <input type="checkbox"/> Check if this is a new address		6 Expedited Review In accordance with FIFRA Sect on 3(c)(3)(b)(I) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____

Section II

<input type="checkbox"/> Amendment Explain below <input type="checkbox"/> Resubmission in response to Agency letter dated XX XX XX <input checked="" type="checkbox"/> Notification Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated <input type="checkbox"/> Me Too Application <input type="checkbox"/> Other Explain below
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Explanation Use additional page(s) if necessary (For section I and Section II)

Notification of minor changes to the label per PRN98 10

Section III

1 Material This Product Will Be Packaged In			
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2 Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) Plastic Bag
Certification must be submitted		If Yes Unit Packaging wgt	No per Container
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 1 275 Gallons	
5 Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		6 Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

Section IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)		
Name Laurent C Mezin	Title Regulatory Affairs Manager	Telephone No (Include Area Code) (317) 580 8286
Certification I certify that the statements I have made on this form and all attachments thereto are true accurate and complete I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law		6 Date Application Received (Stamped)
2 Signature BY 	3 Title Regulatory Affairs Manager	
4 Typed Name Laurent C Mezin	5 Date 28 September 2012	



SePRO Corporation • 11550 North Meridian Street • Suite 600 • Carmel Indiana 46032 4565
Phone (317) 580 8282 Fax (317) 580 8290

28 September 2012

Kathryn Montague
Product Manager 23
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U S Environmental Protection Agency
Room S 4900 One Potomac Yard
2777 South Crystal Drive
Arlington VA 22202 4501

**Subject Fluridone SC (EPA Reg No 67690 30)
 Notification – Minor label changes per PR Notice 98 10**

Dear Ms Montague

SePRO is submitting a notification for our product Fluridone SC (EPA Reg No 67690 30)

This submission updates the label as follows
 Added NY specific language for SLN
 Moved base label to the back Text was not changed This change is not highlighted
 Moved the Storage and Disposal Section to the back of the booklet
 Added Widgeon grass as a controlled species
 Included text on the use of FastEST already approved in most other SePRO Fluridone labels
 In Storage and Disposal changed Container disposal to Container handling

- Please find enclosed the following information
- Transmittal document (this letter)
 - Application for Pesticide Registration EPA Form 8570 1
 - One clean and one highlighted copy of the label

This notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40 CFR 152 46 and no other changes have been made to the labeling or the confidential statement of formula of this product I understand that it is a violation of 18 U S C Sec 1001 to willfully make any false statement to EPA I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 CFR 152 46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA

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Phone (317) 580 8282 Fax (317) 580 8290

If you have any questions regarding this submission please contact me at (317) 580 8286

Sincerely

A handwritten signature in cursive script that reads "Laurent Mezin".

Laurent C Mezin Ph D
Manager Regulatory Affairs
SePRO Corporation

Enclosures

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Fluridone SC 67690 30

"Not for cat on"

Acceptable

[Front label ALL containers]



Fluridone SC

AQUATIC HERBICIDE

AN HERBICIDE FOR MANAGEMENT OF AQUATIC VEGETATION IN FRESH WATER PONDS LAKES RESERVOIRS POTABLE WATER SOURCES DRAINAGE CANALS AND IRRIGATION CANALS

For use in New York State comply with Section 24 (C) Special Local Need labeling for Fluridone SC SLN NY[_____]

Active Ingredient

fluridone 1 methyl 3 phenyl 5 [3 (trifluoromethyl)phenyl] 4(1H) pyridinone 41.7%

Other Ingredients 58.3%

TOTAL 100.0%

Contains 4 pounds of fluridone per gallon

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)

Refer to inside of 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 30
FPL20120928

EPA Est No _____
[SPC] _____

SePRO Corporation 11550 N Meridian Street Suite 600 Carmel, IN 46034 U S A

Net contents _____
[Refillable/Nonrefillable container_____]

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(Label booklet text)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if swallowed absorbed through skin or inhaled Causes moderate eye irritation Avoid breathing spray mist Avoid contact with skin eyes or clothing Wash thoroughly with soap and water after handling Remove contaminated clothing and wash clothing before reuse

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)

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 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 mouth to mouth if possible • Call a poison control center or doctor for further treatment advice
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
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

Follow use directions carefully so as to minimize adverse effects on non target organisms Do not contaminate untreated water when disposing of equipment washwaters Trees and shrubs growing in water treated with Fluridone SC may occasionally develop chlorosis Do not apply in tidal water/brackish water Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site for example shallow shoreline areas

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

Shake well before using

INSTRUCTIONS

Fluridone SC is a selective systemic aquatic herbicide for management of aquatic vegetation in fresh water ponds lakes reservoirs drainage canals and irrigation canals. Fluridone SC is absorbed from water by plant shoots and from hydrosol by the roots of aquatic vascular plants. It is important to maintain the specified concentration of Fluridone SC in contact with the target plants for a minimum of 45 days. Rapid water movement or any condition that results in rapid dilution of Fluridone SC in treated water will reduce its effectiveness.

In susceptible plants, Fluridone SC inhibits the formation of carotene. In the absence of carotene, chlorophyll is rapidly degraded by sunlight. Herbicidal symptoms of Fluridone SC appear in seven to ten days and appear as white (chlorotic) or pink growing points. Under optimum conditions, 30 to 90 days are required before the desired level of aquatic weed management is achieved with Fluridone SC. Species susceptibility to Fluridone SC may vary depending on time of year, stage of growth, and water movement. For best results, apply Fluridone SC prior to initiation of weed growth or when weeds begin active growth. Mature target plants may require an application rate at the higher end of the specified rate range and may take longer to control.

Fluridone SC is not corrosive to application equipment.

This label provides recommendations on the use of a laboratory analysis for the active ingredient. SePRO Corporation recommends the use of high performance liquid chromatography (HPLC) for the determination of fluridone concentrations in water. It is recommended to contact SePRO Corporation for the incorporation of this test, known as a FastEST, in a treatment program. FastEST is referenced in this label as the preferred method for the rapid determination of the active ingredient in water. Other proven chemical analyses for the active ingredient may also be used.

Application rates are provided in fluid ounces or quarts of Fluridone SC to achieve a desired concentration of the active ingredient in parts per billion (ppb). **The maximum application rate or sum of all application rates is 90 ppb in ponds and 150 ppb in lakes and reservoirs per annual growth cycle.** This maximum concentration is the amount of product calculated as the target application rate, NOT determined by testing the residues of the active ingredient in the treated water.

SPECIAL PRECAUTIONS

- **Obtain required permits** Permits may be required by state or local agencies. Consult with appropriate State or local water authorities before applying this product.
- **Chemigation** Do not apply this product through any type of irrigation system.
- **Hydroponic Farming** Do not use water treated with Fluridone SC for hydroponic farming unless a FastEST has been run and confirmed that concentrations are less than 1 ppb.
- **Greenhouse and Nursery Plants** Consult with SePRO Corporation for site specific recommendations prior to any use of Fluridone SC treated water for irrigating greenhouse or nursery plants. Without site specific guidance from SePRO, do not use Fluridone SC treated water for irrigating greenhouse or nursery plants unless a FastEST has been run.

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and confirmed that concentrations are less than 1 ppb

• **Water Use Restrictions Following Applications of Fluridone SC (Days)**

Application Rate	Drinking ¹	Fishing	Swimming	Livestock/Pet Consumption	Irrigation ²
Maximum Rate (150 ppb) or less	0	0	0	0	See irrigation instructions below

¹ Note below under *Potable Water Intakes* the information for application of Fluridone SC within ¼ mile (1 320 feet) of a functional potable water intake

² Note below under *Irrigation* specific time frames or fluridone residues that provide the widest margin of safety for irrigating with water treated with Fluridone SC

- **Potable Water Intakes** In lakes and reservoirs or other sources of potable water do not apply Fluridone SC at application rates greater than 20 ppb within ¼ mile (1 320 feet) of any functioning potable water intake At application rates of 6 to 20 ppb Fluridone SC may be applied where functioning potable water intakes are present **NOTE Existing potable water intakes that are no longer in use such as those that have been replaced by potable water wells or connections to a municipal water system are not considered to be functioning potable water intakes**
- **Irrigation** Irrigation with water treated with Fluridone SC may result in injury to the irrigated vegetation Inform those who irrigate from areas treated with Fluridone SC of the irrigation time frames or FastEST requirements presented in the table below Follow the following time frames and assay directions to reduce the potential for injury to vegetation irrigated with water treated with Fluridone SC There is a greater potential for crop injury when water treated with Fluridone SC is applied to crops grown in low organic and sandy soils

WAITING PERIODS BEFORE IRRIGATING WITH WATER TREATED WITH FLURIDONE SC			
Application Site	Days After Application		
	Established Tree Crops	Established Row Crops/Turf/Plants	Newly Seeded Crops/Seedbeds or Areas to be Planted Including Overseeded Golf Course Greens
Ponds and Static Canals ¹	7	30	Assay required
Canals	7	14	Assay required
Lakes and Reservoirs ²	7	14	Assay required

¹ For purposes of Fluridone SC labeling a pond is defined as a body of water 10 acres or less in size A lake or reservoir is greater than 10 acres

² In lakes and reservoirs where one half or greater of the body of water is treated use the pond and static canal irrigation precautions

Where the use of Fluridone SC treated water is desired for irrigating crops prior to the time frames established above the use of FastEST is recommended to measure the concentration in the treated water Where FastEST has determined that concentrations are less than 10 parts per billion (ppb) there are no irrigation precautions for irrigating established tree crops established row crops or turf **For tobacco tomatoes peppers or other plants within the Solanaceae family and for newly seeded grasses, such as overseeded golf course greens do not use Fluridone SC treated water if**

concentrations are greater than 5 ppb Furthermore when rotating crops do not plant members of the Solanaceae family in land that has been previously irrigated with fluridone concentrations in excess of 5 ppb It is recommended that an aquatic specialist be consulted prior to commencing irrigation of these sites

WEED CONTROL INFORMATION

Fluridone SC selectivity is dependent upon dosage time of year stage of growth method of application and water movement The following categories Controlled Partially Controlled and Not Controlled are provided to describe expected efficacy under ideal treatment conditions using higher to maximum application rates Use of lower rates will increase selectivity of some species listed as Controlled or Partially Controlled Additional aquatic plants may be controlled partially controlled or tolerant to Fluridone SC Consult an aquatic specialist prior to application to determine a plant's susceptibility to Fluridone SC

Vascular Aquatic Plants Controlled by Fluridone SC

Floating Plants

Duckweed Common (*Lemna minor*)

Emerald Plants

Spatterdock (*Nuphar luteum*)

Waterlily (*Nymphaea* spp)

Submersed Plants

Bladderwort (*Utricularia* spp)

Coontail Common (*Ceratophyllum demersum*)

Egeria Brazilian Elodea (*Egeria densa*)

Elodea Common (*Elodea canadensis*)

Fanwort Cabomba (*Cabomba caroliniana*)

Hydrilla (*Hydrilla verticillata*)

Naiad (*Najas* spp)

Pondweed (*Potamogeton* spp) except Illinois Pondweed

Watermilfoil (*Myriophyllum* spp) except Variable Leaf Milfoil

widgeon grass (*Ruppia maritima*)

Shoreline Grasses

Paragrass (*Urochloa mutica*)

Vascular Aquatic Plants Partially Controlled by Fluridone SC

Floating Plants

Salvinia (*Salvinia* spp)

Watermeal Common (*Wolffia columbiana*)¹

¹ Partial control only with Fluridone SC applied at the maximum labeled rate

Emerald Plants

Alligatorweed (*Alternanthera philoxeroides*)

Cattail (*Typha* spp)

Lotus American (*Nelumbo lutea*)

Parrotfeather (*Myriophyllum aquaticum*)

Smartweed (*Polygonum* spp)
 Spikerush (*Eleocharis* spp)
 Waterprimrose Creeping (*Ludwigia peploides*)
 Waterpurslane (*Ludwigia palustris*)
 Watershield (*Brasenia schreberi*)

Submersed Plants

Limnophila (*Limnophila sessiliflora*)
 Pondweed Illinois (*Potamogeton illinoensis*)
 Tapegrass American Eelgrass (*Vallisneria americana*)
 Watermilfoil Variable Leaf (*Myriophyllum heterophyllum*)

Shoreline Grasses

Barnyardgrass (*Echinochloa crusgalli*)
 Canarygrass Reed (*Phalaris arundinaceae*)
 Cutgrass Giant (*Zizaniopsis miliacea*)
 Torpedograss (*Panicum repens*)
 Watergrass Southern (*Hydrochloa caroliniensis*)

Vascular Aquatic Plants Not Controlled by Fluridone SC

Floating Plants

Water Lettuce (*Pistia stratiotes*)

Emerged Plants

Arrowhead (*Sagittaria* spp)
 Bacopa (*Bacopa* spp)
 Big Floatingheart Banana Lily (*Nymphoides aquatica*)
 Bulrush (*Scirpus* spp)
 Frogbit American (*Limnobium spongia*)
 Pickerelweed Lanceleaf (*Pontederia* spp)
 Rush (*Juncus* spp)
 Waterhyacinth Floating (*Eichornia crassipes*)
 Water Pennywort (*Hydrocotyle umbellata*)

Shoreline Grasses

Maidencane (*Panicum hemitomon*)

NOTE Algae (*Chara Nitella* and filamentous species) are not controlled by Fluridone SC

MIXING AND APPLICATION DIRECTIONS

The aquatic plants present in the treatment site should be identified prior to application to determine their susceptibility to Fluridone SC. It is also important to determine the area (acres) to be treated and the average depth in order to select the proper application rate. Do not exceed the maximum labeled rate for a given treatment site per annual growth cycle.

Shake Fluridone SC well before using Add the specified amount of Fluridone SC to water in the spray tank during the filling operation. Agitate while filling and during spraying. Surface or subsurface application of the spray can be made with conventional spray equipment. Fluridone SC can also be applied near the surface of the hydrosol using weighted trailing hoses. A spray volume of 5 to 100 gallons per acre may be used. Fluridone SC may also be diluted with water and the concentrated mix metered into the pumping system.

Tank Mix Directions

Fluridone SC may be tank mixed with other aquatic herbicides and algaecides to enhance efficacy and plant selectivity. Refer to the label of the companion herbicide or algaecide for use directions, precautions and restrictions.

Application to Ponds

Fluridone SC may be applied to the entire surface area of a pond. For single applications, rates may be selected to provide 45 to 90 ppb in the treated water. Use the higher rate within the rate range where there is a dense weed mass when treating more difficult to control species and for ponds that are less than 5 acres in size with an average depth of less than 4 feet. Application rates necessary to obtain these active ingredient concentrations in treated water are shown in the following table. For additional application rate calculations, refer to the section of this label entitled *Application Rate Calculation: Ponds, Lakes and Reservoirs*. Split or multiple applications may be used where dilution of treated water is anticipated, however, the sum of all applications must not exceed a total of 90 ppb per annual growth cycle.

Average Water Depth of Treatment Site (feet)	Quarts of Fluridone SC per Treated Surface Acre		Fluid Ounces of Fluridone SC per Treated Surface Acre	
	45 ppb	to 90 ppb	45 ppb	to 90 ppb
1	0.12	0.24	3.8	7.7
2	0.24	0.49	7.7	15.7
3	0.37	0.73	11.8	23.4
4	0.49	0.98	15.7	31.4
5	0.61	1.22	19.5	39.0
6	0.73	1.46	23.4	46.7
7	0.85	1.70	27.2	54.4
8	0.98	1.95	31.4	62.4
9	1.10	2.19	35.2	70.1
10	1.22	2.44	39.0	78.1

Application to Lakes and Reservoirs

The following treatments may be used for treating both whole lakes or reservoirs and partial areas of lakes or reservoirs (bays, etc.). For best results in treating partial lakes and reservoirs, Fluridone SC treatment areas should be a minimum of 5 acres in size. Treatment of areas smaller than 5 acres or treatment of narrow strips, such as boat lanes or shorelines, may not produce satisfactory results due to dilution by untreated water. Rate ranges are provided as a guide to include a wide range of environmental factors, such as target species, plant susceptibility, selectivity and other aquatic plant management objectives. Application rates and methods should be selected to meet the specific lake/reservoir aquatic plant management goals.

➤ **Whole Lake or Reservoir Treatments (Limited or No Water Discharge)**

Single Application to Whole Lakes or Reservoirs Where single applications to whole lakes or reservoirs are desired, apply Fluridone SC at an application rate of 10 to 90 ppb. Application rates necessary to obtain these concentrations in treated water are shown in the following table. For additional application rate calculations, refer to the

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section of this label entitled *Application Rate Calculation Ponds Lakes and Reservoirs*. Choose an application rate from the table below to meet the aquatic plant management objective. Where greater plant selectivity is desired, such as when controlling Eurasian watermilfoil and curlyleaf pondweed, choose an application rate lower in the rate range. For other plant species, an aquatic specialist should be contacted to determine when to choose application rates lower in the rate range to meet specific plant management goals. Use the higher rate within the rate range where there is a dense weed mass or when treating more difficult to control plant species. Retreatments may be required to control more difficult to control species or in the event of a heavy rainfall event where dilution of the treatment concentration has occurred. In these cases, a second application or more may be required, however, the sum of all applications cannot exceed 150 ppb per annual growth cycle. Refer to the following section *Split or Multiple Applications to Whole Lakes or Reservoirs* for guidelines and maximum rate allowed.

Average Water Depth of Treatment Site (feet)	Quarts of Fluridone SC per Treated Surface Acre		Fluid Ounces of Fluridone SC per Treated Surface Acre	
	10 ppb	to 90 ppb	10 ppb	to 90 ppb
1	0.03	0.24	1.0	7.7
2	0.05	0.49	1.6	15.7
3	0.08	0.73	2.6	23.4
4	0.11	0.98	3.2	31.4
5	0.14	1.22	4.5	39.0
6	0.16	1.46	5.1	46.7
7	0.19	1.70	6.1	54.4
8	0.22	1.95	7.0	62.4
9	0.24	2.19	7.6	70.1
10	0.27	2.44	8.6	78.1
11	0.30	2.68	9.6	86.0
12	0.32	2.93	10.2	93.8
13	0.35	3.17	11.2	101.4
14	0.38	3.42	12.1	109.4
15	0.41	3.66	13.1	117.1
16	0.43	3.90	13.8	124.8
17	0.46	4.15	14.7	132.2
18	0.49	4.39	15.7	140.5
19	0.51	4.63	16.3	148.2
20	0.54	4.88	17.3	156.2

Split or Multiple Applications to Whole Lakes or Reservoirs. To meet certain plant management objectives, split or multiple applications may be desired in making whole lake treatments. Split or multiple application programs are desirable when the objective is to use the minimum effective dose and, through the use of a water analysis, e.g. FasTEST or other appropriate means of analysis, add additional Fluridone SC to maintain this lower dose for sufficient time to ensure efficacy and enhance selectivity. Water may be treated with an initial application of 6 to 50 ppb. Additional split applications should be made to maintain a sufficient concentration for a minimum of 45 days. In controlling Eurasian watermilfoil and curlyleaf pondweed and where greater

plant selectivity is desired choose an application rate lower in the rate range For other plant species an aquatic specialist should be contacted to determine when to choose application rates lower in the rate range to meet specific plant management goals When utilizing split or multiple applications of Fluridone SC the utilization of FasTEST is strongly recommended to determine the actual concentration in the water over time For split or multiple applications the sum of all applications must not exceed 150 ppb per annual growth cycle

NOTE In treating lakes or reservoirs that contain functional potable water intakes and the application requires treating within ¼ mile of a potable water intake no single application can exceed 20 ppb Additionally the sum of all applications cannot exceed 150 ppb per annual growth cycle

➤ **Partial Lake or Reservoir Treatments**

Where dilution of Fluridone SC with untreated water is anticipated such as in partial lake or reservoir treatments split or multiple applications may be used to extend the contact time with the target plants The application rate and use frequency of Fluridone SC in a partial lake is highly dependent upon the treatment area An application rate at the higher end of the specified rate range may be required and frequency of applications will vary depending upon the potential for untreated water to dilute the Fluridone SC concentration in the treatment area Use a rate at the higher end of the rate range where greater dilution with untreated water is anticipated

Treatment Areas Greater than ¼ Mile from a Functioning Potable Water Intake For single applications apply Fluridone SC at application rates from 30 to 150 ppb Split or multiple applications may be made however the sum of all applications cannot exceed 150 ppb per annual growth cycle Split applications may be made to maintain a sufficient concentration in the target area for a period of 45 days or longer The use of FasTEST or other appropriate means of analysis is recommended to maintain the desired concentration in the target area over time

Treatment Areas Within ¼ Mile of a Functioning Potable Water Intake In treatment areas that are within ¼ mile of a potable water intake no single application can exceed 20 ppb When utilizing split or multiple applications of Fluridone SC for sites that contain a potable water intake FasTEST or other appropriate means of analysis is required to determine the actual concentration in the water Additionally the sum of all applications cannot exceed 150 ppb per annual growth cycle

Application Rate Calculation — Ponds, Lakes and Reservoirs

The amount of Fluridone SC to be applied to provide the desired ppb concentration of active ingredient in treated water may be calculated as follows

Quarts of Fluridone SC required per treated surface acre = Average water depth of treatment site (feet) x Desired ppb concentration of active ingredient x 0.0027

For example the quarts per acre of Fluridone SC required to provide a concentration of 25 ppb of active ingredient in water with an average depth of 5 feet is calculated as follows

$$5 \times 25 \times 0.0027 = 0.33 \text{ quarts per treated surface acre}$$

When measuring quantities of Fluridone SC quarts may be converted to fluid ounces by

multiplying quarts to be measured by 32 For example 0 33 quarts x 32 = 10 5 fluid ounces

NOTE Calculated rates may not exceed the maximum allowable rate in quarts per treated surface acre for the water depth listed in the application rate table for the site to be treated

Application to Drainage Canals and Irrigation Canals

- **Static Canals** In static drainage and irrigation canals apply Fluridone SC at the rate of 1 to 2 quarts per treated surface acre
- **Moving Water Canals** The performance of Fluridone SC will be enhanced by restricting or reducing water flow In slow moving bodies of water use an application technique that maintains a concentration of 15 to 40 ppb in the target area for a minimum of 45 days Fluridone SC can be applied by split or multiple broadcast applications or by metering in the product to provide a uniform concentration of the herbicide based upon the flow pattern The use of FasTEST or other appropriate means of analysis is recommended to maintain the desired concentration in the target area over time
- **Static or Moving Water Canals Containing a Functioning Potable Water Intake** In treating a static or moving water canal that contains a functioning potable water intake DO NOT apply Fluridone SC at application rates greater than 20 ppb within ¼ mile (1320 feet) of any functioning potable water intake Applications of less than 20 ppb may be applied within ¼ mile from a functioning potable water intake however if applications of Fluridone SC are made within ¼ mile from a functioning potable water intake the FasTEST or other appropriate means of analysis must be utilized to demonstrate that concentrations do not exceed 150 ppb at the potable water intake

Application Rate Calculation — Moving Water Drainage Canals and Irrigation Canals

The amount of Fluridone SC to be applied through a metering system to provide the desired ppb concentration of active ingredient in treated water may be calculated as follows

- 1 Average flow rate (feet per second) x Average canal width (feet) x Average water depth (feet) x 0 9 = Cubic feet per second (CFS)
- 2 CFS x 1 98 = acre feet per day (water movement)
- 3 Acre feet per day x desired ppb x 0 0027 = Quarts of Fluridone SC required per day

STORAGE AND DISPOSAL

DO NOT contaminate water food or feed by storage or disposal

Pesticide Storage

Store in original container only Do not store near feed or foodstuffs Keep from freezing

Pesticide Disposal

Wastes resulting from use of this product may be disposed of on site or 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 ≤ 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 ¼ 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 ¼ 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 this product contrary to label instructions (including conditions noted on the label) such as

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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 the product bought or
- (2) Replacement of amount of the 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 *Limitations of Remedies* in any manner

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[Base label for all containers]



Fluridone SC
AQUATIC HERBICIDE

Active Ingredient

fluridone 1 methyl 3 phenyl 5 [3 (trifluoromethyl)phenyl] 4(1H) pyridinone 41.7%

Other Ingredients

58.3%

TOTAL

100.0%

Contains 4 pounds of fluridone per gallon of product

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)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION Harmful if swallowed absorbed through skin or inhaled Causes moderate eye irritation Avoid breathing spray mist Avoid contact with skin eyes or clothing Wash thoroughly with soap and water after handling Remove contaminated clothing and wash 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 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 mouth to mouth if possible • Call a poison control center or doctor for further treatment advice
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
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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ENVIRONMENTAL HAZARDS

Follow use directions carefully so as to minimize adverse effects on non target organisms Do not contaminate untreated water when disposing of equipment washwaters Trees and shrubs growing in water treated with Fluridone SC may occasionally develop chlorosis Do not apply in tidewater/brackish water Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site for example shallow shoreline areas

STORAGE AND DISPOSAL

DO NOT contaminate water food or feed by storage or disposal

Pesticide Storage

Store in original container only Do not store near feed or foodstuffs Keep from freezing

Pesticide Disposal

Wastes resulting from use of this product may be disposed of on site or 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 the 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 30
FPL20120928

EPA Est No _____
[SPC] _____

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

Net contents _____
[Refillable/Nonrefillable container _____]