

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

APR 26 2012

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

Subject:

Notification per PR Notice 98-10 – Add Alternate Brand Name

SP1304

EPA Reg. No. 67690-49

Application Dated - April 16, 2012

Proposed Alternate Brand Name: Sculpin G

Dear Mr. Mezin:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject 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 date-stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or <a href="maggie@epa.gov">rudick.maggie@epa.gov</a>.

Sincerely,

Kathryn Montague, Product Manager 23

Herbicide Branch

Registration Division (7505P)

Form Approved. OMB No. 2070-0060. Approval expires 05-31 Please read instructions on reverse before completing form. **OPP Identifier Number** Registration **United States EPA Environmental Protection Agency Amendment** Washington, DC 20460 Other **Application for Pesticide - Section I** 3. Proposed Classification 1. Company/Product Number 2. EPA Product Manager 67690-49 Kathryn Montague Company/Product (Name) None 5.PM# 23 Restricted SePRO Corporation/SP1304 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(l), my 5. Name and Address of Applicant (Include ZIP Code) product is similar or identical in composition and labeling to: SePRO Corporation 11550 North Meridian Street, Suite 600 Carmel, Indiana 46032-4562 EPA Reg. No. **Product Name** Check if this is a new address Section II Amendment - Explain below. Final printed labels in response to Agency letter dated Resubmission in response to Agency letter dated XX-XX-XX "Me Too" Application Notification - Explain below. Other - Explain below. certification statement Explanation: Use additional page(s) if necessary. (For section I and Section II.) Submission of Alternate Brand Name "Sculpin G" on loca lottle Section III 1. Material This Product Will Be Packaged In: Child-Resistant Packaging **Unit Packaging** Water Soluble Packaging 2. Type of Container Yes\* Yes Yes Metal X No X No X Plastic No If "Yes" No. per If "Yes" No. per Glass Container Unit Packaging wgt. Package wgt. Container \*Certification must Paper be submitted Other (Specify) Plastic Bag 3. Location of Net Contents Information 4. Size(s) Retail Container 5. Location of Label Directions On Can Container 1 - 250 Lbs On Labeling accompanying product adhesive 6. Manner in Which Label is Affixed to Product Lithograph Other Paper glued Stenciled Section IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Laurent C. Mézin Regulatory Affairs Manager Telephone No. (Include Area Code) (317) 530-8286 €. Date Application Certification Received I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I (Stamped) acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. 3. Title 2. Signature BY: Laurant Plezin Regulatory Affairs Manager 5. Date: 16 April 2012 4. Typed Name: Laurent C. Mézin



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

16 April 2012

Ms. Kathryn Montague, PM 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

RE: SP1304 (EPA Reg. No. 67690-49)

Notification per PR Notice 98-10 to submit Alternate Brand Name

Dear Ms. Montague:

SePRO Corporation is submitting as a notification under PR Notice 98-10 an Alternate Brand Name for the product SP1304 (67690-49). Please note that the ABN had been submitted to the Agency on 02 and 12 June 2009, but we have not received a formal approval.

The following enclosed items support this notification:

APR 2 6 2012

- Cover letter (this document);
- Application for Registration, EPA Form 8570-1;
- One copy each of the clean and highlighted label showing the ABN 'Sculpin G'.

This notification is consistent with the provisions of the 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.

If you have any questions, please do not hesitate to contact me at (317) 580-8286 or at LaurentM@sepro.com.

Best Regards,

Laurent Mézin

Regulatory Affairs Manager

### SP1304

**Aquatic Herbicide** 

FPL20120416 Highlighted

NOTIFICATION APR 2 6 2012

EPA Reg. No. 67690-49

Master Label (main brand name) - split label containing professional and consumer uses.

**Registration Notes:** Based on label approved by notification of 23 April 2010, with FPL032210.

#### **Table of Contents for Master Label**

I.	Main Label – Professional Uses  a. Marketed under alternate brand name Sculpin G	Pages 2 - 11
11.	Main Label – Consumer/Homeowner Uses	Pages 12 - 21

#### **Label Changes:**

- 1. Updated FPL date
- 2. Includes alternate brand name "Sculpin G"

### [Editor's note: This portion of the master label contains Professional Uses.]

[Label for Non-dilutable, Non-refillable, Non-rigid containers, any size]



NOTIFICATION APR 2 6 2012

# SP1304Sculpin G

**AQUATIC HERBICIDE** 

A:	SELECTIVE	HERBICIDE FOR	CONTROLLING	<b>CERTAIN UNWANTED</b>	<b>AQUATIC PLANTS</b>
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Active Ingredient 2.4-dichlorophenoxyacetic acid_dime	thylamine salt20.0%
	80.0%
TOTAL	100.0%
2,4-d acid equivalence (a.e.): 16.5%	
EPA Reg. No. 67690-49	EPA Est. No SPC
FPL20120416032210	SPC
NOTICE: Read the entire label before buying or using this product, read To	using. Use only according to label directions. Before terms and Conditions of Use, Warranty Disclaimer, of Remedies at the end of the label. If terms are ned.
Aquatic Herbicide	Net Contents
PRECAUTIONARY STATEMENTS	

### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Causes substantial, but temporary eye injury. Harmful if swallowed. Avoid contact with skin or clothing. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

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	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
lf swallowed	<ul> <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>
lf inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf on skin or clothing	<ul> <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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call **INFOTRAC** at **1-800-535-5053**.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

All loaders, applicators, and other handlers must wear:

- Long-sleeve shirt and long pants;
- · Shoes and socks;
- · Chemical-resistant gloves; and
- Protective eyewear.

Follow manufacturer's 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.

### **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. If pesticide gets on skin, wash immediately with soap and water.
- 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.

#### **ENGINEERING CONTROLS**

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

#### **ENVIRONMENTAL HAZARDS**

Fish breathe dissolved oxygen in the water and decaying weeds also use oxygen. When

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treating continuous, dense weed masses, it may be appropriate to treat only part of the infestation at a time. For example, in quiescent waters, apply the product to areas separated by untreated sections that can be treated after vegetation in treated areas has disintegrated. During the growing season, weeds decompose in a 2 to 4 week period following treatment. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Waters having limited and less dense weed infestations may not require partial treatments.

AGRICULTURAL CHEMICAL: Do not ship or store with food, feeds, drugs or clothing.

#### **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.

#### GENERAL INFORMATION

Use <u>SP1304Sculpin G</u> herbicide for control of certain aquatic weeds in: ponds; lakes; reservoirs; marshes; bayous drainage ditches; non-irrigation canals; and rivers and streams that are quiescent or slow-flowing. This product is designed to selectively control the weeds listed on this label. While certain other weeds may be suppressed, control may be incomplete. Reduced control may occur in lakes or ponds where water replacement comes from bottom springs.

<u>SP1304Sculpin G</u> is formulated on biodegradable granules that, when applied to water bodies, immediately deliver the herbicide down to the critical areas for controlling target weeds.

When applying SP1304Sculpin G follow all applicable use directions, precautions and limitations. All SP1304Sculpin G concentrations referred to in this label are based on acid equivalence (a.e.).

**Obtain Required Permits:** Consult with appropriate state or local pesticide and/or water authorities before applying this product in or around public waters. Permits and posting or treatment notification may be required by state or local public agencies.

Recreational Use of Water in Treatment Area: There are no restrictions on the use of treated water for recreational purposes, including swimming, fishing and domestic purposes.

**Livestock Use of Water from Treatment Area:** There are no restrictions on consumption of treated water for potable use by livestock, pets, or other animals.

#### **GENERAL PRECAUTIONS AND RESTRICTIONS**

- <u>Do not</u> apply this product in a way that will contact workers or other persons, either directly
  or through drift. Only protected handlers may be in the area during application.
- Do not enter or allow people (or pets) to enter the treated area until dusts have settled.
- For requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.
- Chemigation: Do not apply SP1304Sculpin G through any type of irrigation system.
- Applications to a target area are limited to two (2) per season.
- Apply a maximum of 65.4 pounds of SP1304Sculpin G (10.8 lbs a.e.)/acre-foot per application.
   Do not exceed 4.0 ppm during any single application.

- <u>Do not</u> apply within 21 days of previous application except when conducting split treatments. Split treatments, over relatively short periods of time (e.g., 1 to 4 days), may be effective in some areas to maintain adequate exposure with target plants, such as small sites or sites with higher dilution potential.
- When treating moving bodies of water, applications must be made while traveling upstream to prevent concentration of herbicide downstream from the application.

# APPLICATION TO WATERS USED FOR IRRIGATION Irrigation Restrictions

- <u>Do not</u> use treated water for irrigating greenhouse or nursery plants unless 2,4-D concentrations are confirmed to be less than 1 ppb by laboratory analysis.
- Do not use water treated with SP1304Sculpin G for hydroponic farming.
- <u>Do not</u> apply <u>SP1304Sculpin G</u> directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers, or other desirable susceptible broadleaf plants, and do not permit dust to drift into these areas.
- This label describes both required and recommended uses of a chemical analysis for the active ingredient 2,4-D. SePRO Corporation recommends the use of an Enzyme-Linked Immunoassay (ELISA) test for the determination of SP1304Sculpin G concentration in water. Contact SePRO Corporation for the incorporation of this analysis into your treatment program. Other proven chemical analysis for the active ingredient may also be used. The ELISA analysis is referenced in this label as the preferred method for the rapid determination of the concentration of the active ingredient in the water.
- If <u>SP1304Sculpin G</u> treated water is intended to be used only for crops or non-crop areas
  that are labeled for direct treatment with 2,4-D such as pastures, turf or established
  grasses, cereal grains, the treated water may be used to irrigate and/or mix sprays for
  these sites at any time during and after the application.
- Due to potential phytotoxicity and/or residue considerations, the following restrictions are applicable to other uses of irrigation water:
  - If treated water is intended to be used to irrigate or mix sprays for crops not labeled for direct treatment with 2,4-D, the water must not be used unless <u>one</u> of the following restrictions has been observed:
    - A setback distance described in Table 1 (*Drinking Water Setback Distances*) was used for the application;
    - A waiting period of 21 days from the time of application has elapsed; or
    - An approved assay indicates that the 2,4-D concentration is 100 ppb or less at the water intake. See Table 2 (Sampling for Drinking Water Analysis) for the recommended waiting periods after application but before taking the initial water sample at water intake.
  - o If treated water is intended to be used to irrigate non-crop areas not labeled for direct treatment with 2,4-D (e.g., landscape ornamentals) or for other irrigation uses not described, consult with SePRO Corporation prior to commencing irrigation if 2,4-D concentrations are greater than 100 ppb.

## APPLICATIONS TO POTABLE WATER SOURCES Potable Water Restrictions

The potable water use restrictions on this label are to ensure that consumption of water by
the public is allowed only when the concentration of 2,4-D in water is less than the MCL
(Maximum Contaminant Level) of 70 ppb. Applicators should consider the unique
characteristics of the treated waters to assure that 2,4-D concentrations in potable water
do not exceed 70 ppb at the time of consumption.

 The drinking water setback distances from functioning potable water intakes are provided in Table 1.

		TABLE 1	The state of the s
	DRINKING WATE	R SETBACK DISTAN	ICES
Application conce		n setback distance (ft ater intake	) from functioning potable
≤1 ppm <sup>†</sup>	1.1 to 2.0 ppm <sup>†</sup>	2.1 to 3.0 ppm <sup>†</sup>	3.1 to 4.0 ppm <sup>†</sup>
600	1,200	1,800	2,400

<sup>&</sup>lt;sup>†</sup> ppm acid equivalent target water concentration

- Following each application of <u>SP1304Sculpin G</u>, treated water must not be used for potable water unless <u>one</u> of the following restrictions has been observed:
  - A setback distance described in Table 1 was used for the application;
  - o A waiting period of at least 21 days from the time of application has elapsed; or
  - An approved assay indicates that the 2,4-D concentration is 70 ppb or less at the water intake. Sampling for drinking water analysis should occur no sooner than stated in Table 2. NOTE: Analysis of 2,4-D in drinking water samples must be completed by a laboratory that is certified under the Safe Drinking Water Act to perform drinking water analysis using a currently approved version of analytical Method Number 515, 555, other methods for 2,4-D as may be listed in Title 40 CFR, Part 141.24, or Method Number 4015 (immunoassay of 2,4-D) from U.S. EPA Test Methods for Evaluating Solid Waste SW-846.

SAMPLIN	TABLE 2 IG FOR DRINKING WATER A	ANALYSIS †
	s after application before initia the functioning potable water i	
≤1 ppm <sup>††</sup>	1.1 to 3.0 ppm <sup>††</sup>	3.1 to 4.0 ppm <sup>††</sup>
5	10	14

<sup>&</sup>lt;sup>†</sup> These are general guidelines, the amount of time required for 2,4-D concentrations to reach acceptable levels for drinking or irrigation will depend on the total acres treated relative to water body size, application rates, water exchange rates, weed density, and various other factors. Consult a SePRO Corporation Aquatic Specialist for site specific recommendations.

If no setback distance from Table 1 is to be used for the application, applicators or the authorizing organization must provide a drinking water notification and an advisory to shut off all potable water intakes inside the setback zone prior to SP1304Sculpin G application. Notification to the party responsible for a public water supply or to individual private water users must be done in a manner to assure that the party is aware of the water use restrictions when this product is applied to potable water. The following is an example of a notification via posting, but other methods of notification which convey the above restrictions may be used and may be required in some cases under state or local law or as a condition of a permit.

#### o Example:

 Posting notification should be located every 250 feet including the shoreline of the treated area and up to 250 feet of shoreline past the application site to include immediate public access points. Posting should include the day and time of application. Posting may be removed if analysis of a sample collected at the intake

<sup>&</sup>lt;sup>††</sup> ppm acid equivalent target water concentration

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no sooner than stated in Table 2 shows that the 2,4-D concentration is 70 ppb or less, or after 21 days following application, whichever occurs first.

- Text of notification: "Wait 21 days before diverting functioning surface water intakes from the treated aquatic site to use as drinking water unless water at functioning drinking water intakes is tested no sooner than [insert days from Table 2] and is demonstrated by assay to contain no more than 70 ppb 2,4-D. Application Date:
- 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.
- Drinking water setback distances do not apply to terrestrial applications of 2,4-D adjacent to water bodies with potable water intakes.

#### **DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments applying this product. Applying SP1304Sculpin G through an enclosed eductor or slurry injection system via a continuous stream of water and/or injected under the water surface further minimizes drift potential.

#### Wind Speed

Do not apply at wind speeds greater than 15 mph. <u>SP1304Sculpin G</u> may be applied using an enclosed eductor or slurry injection system. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for non-target species, non-target crops) near enough to be injured.

#### **Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below application height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

### Susceptible Plants

Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of pesticide drift that might not be visible may injure susceptible broadleaf plants.

### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides to aquatic sites. Where states have more stringent regulations, they must be observed.

#### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Aerial applications

- Apply SP1304Sculpin G at the lowest height consistent with efficacy and flight safety. Do not apply at a height greater than 10 feet above the water surface or plant canopy unless a greater height is required for aircraft safety.
- When applications are made with a crosswind, the swath will be displaced downwind. The
  applicator must compensate for this by adjusting the path of the aircraft upwind.

#### **APPLICATION INFORMATION**

When to Apply:

For best results, apply SP1304Sculpin G in the spring and early summer, during the time weeds start to grow. If desired, this timing can be checked by sampling the lake bottom in areas heavily infested with weeds the year before. If treatments are delayed until weeds form a dense mat or reach the surface, two treatments or higher rates may be necessary. Make the second treatment when weeds show signs of recovery. Treatments made after September may be less effective depending upon water temperatures, region of the country, and weed growth. Occasionally, a second application will be necessary if heavy re-growth occurs or weeds reinfest from untreated areas.

#### How to Apply:

For Large Areas:

Use a fertilizer spreader or mechanical seeder such as the Gerber or Gandy or other equipment capable of uniformly applying this product. Before applying any chemical, calibrate your method of application to be sure of spreading the proper amount. When using boats and power equipment, you must determine the proper combination of (1) boat speed (2) rate of delivery from the spreader, and (3) width of swath covered by the granules.

For Small Areas: (Around Docks or Isolated Patches of Weeds)
Use a portable spreader such as the Cyclone seeder or other equipment capable of uniformly applying this product. Estimate or measure out the area you want to treat. Weigh out the amount of material needed and spread uniformly over the area. More uniform coverage is obtained by dividing the required amount in two and covering the area twice, applying the second half at right angles to the first.

Use the following formula to calibrate your spreader's delivery in pounds of <u>SP1304Sculpin</u> G per minute:

Pounds per Minute = Miles per hour x spreader swath width (ft) x pounds per acre
495

Example Calculation: To apply 100 pounds of SP1304Sculpin G per acre using a spreader that covers a 20 foot swath from a boat traveling at 4 miles per hour, set the spreader to deliver 16.1 pounds of SP1304Sculpin G granules per minute:

4 mph x 20 feet x 100 Lbs./A = 16.1 lbs/min. 495

Amounts to Use:

Rates of application vary with susceptibility of weed species to SP1304Sculpin G (refer to

Table 3, Aquatic Plant Susceptibility to <u>SP1304Sculpin G</u>), density of weed mass at time of treatment, stage of growth, water depth, and rate of water exchange through the treated area. Consult with a SePRO Corporation Aquatic Specialist for site specific recommendations. Rates should be selected according to rates found in Table 4 (*Pounds of SP1304Sculpin G to Apply for Target Concentration of 2 and 4 PPM 2,4-D*).

TABLE 3	
AQUATIC PLANT SUSCEPTIBILITY	TO SP1304Sculpin G
PLANT SPECIES	SP1304Sculpin G PPM <sup>†</sup>
Susceptible Weeds watermilfoil (Myriophyllum spp.)	up to 1.0 to 4.0
Slightly To Moderately Susceptible Weeds bladderwort (Utricularia spp.) coontail <sup>††</sup> (Ceratophyllym demersum) water chestnut (Trapa natans) water stargrass <sup>††</sup> (Heteranthera dubia) watershield (Brasenia spp.) white water lily (Nymphaea spp.) yellow water lily (Nuphar spp.) or spatterdock <sup>††</sup>	up to 2.0 to 4.0

<sup>&</sup>lt;sup>†</sup>Lower concentrations may be effective under certain conditions, such as when treating larger/continuous areas or areas with less water exchange, etc.

<sup>††</sup> Repeat applications may be necessary.

POUNE	S OF SP1304Sculp	ABLE 4 in G TO APPLY FOR A OF 2 AND 4 PPM 2,4-I	
Surface Area	Average Depth (feet)	For typical conditions – 2 ppm (pounds)	For difficult conditions – 4 ppm (pounds)
	1	32.7	65.4
	2	65.4	130.9
1 acre	3	98.2	196.3
	4	130.9	261.8
	5	163.6	327.2

Higher rates in the rate range are recommended: in areas of greater water exchange, when treating more mature plants, when targeting more difficult to control aquatic species, and when treating small areas in larger bodies of water (spot treatments). Lower concentrations are generally used when: conducting early season large-scale treatments; and treating larger areas, more immature plants, and in areas with less potential for rapid water exchange. Some areas may require a repeat application to control re-growth.

**NOTE**: The following formula can be used to calculate applications rates based on depths exceeding 4 feet deep or when using a concentration not in the table above:

Pounds of SP1304Sculpin G per Acre = average depth x target ppm x 16.36

#### Example Calculation:

6 foot average depth x 2.25 ppm x 16.36 = 221 pounds of SP1304Sculpin G per acre

**NOTE:** apply a maximum of 65.4 pounds of <u>SP1304Sculpin G</u> (10.8 lbs a.e.)/acre-foot per application. Do not exceed 4.0 ppm during any single application.

#### 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. In case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from use of this product must be used according to label directions or disposed of at an approved waste disposal facility.

**Nonrefillable Container Disposal (non-rigid, any size):** Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available. If recycling is not available, then 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.

#### 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, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations 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 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 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 product bought, or
- (2) Replacement of amount of product used.

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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 *Limitations of Remedies* in any manner.

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# [Editor's note: This portion of the master label contains Consumer/Homeowner Uses.]

[Front label for Household/Residential container]



### SP1304Sculpin G

**AQUATIC HERBICIDE** 

**READY-TO-USE** 

#### A SELECTIVE HERBICIDE FOR CONTROLLING CERTAIN UNWANTED AQUATIC PLANTS

**Active Ingredient** 

2,4-dichlorophenoxyacetic acid, dimethylamine salt	20.0%
Other Ingredients	
TOTAL	
2.4-d acid equivalence (a.e.): 16.5%	

# KEEP OUT OF REACH OF CHILDREN WARNING

**Specialty Chemical:** Do not ship or store with food, feeds, drugs or clothing.

See back panel booklet for additional precautionary statements, directions for use and warranty information.

#### Net[]

[Editorial Note: Bracketed [text] indicates marketing claims; text in curly brackets {text} show place holders for graphics.]



# SP1304Sculpin G

### **AQUATIC HERBICIDE**

**READY-TO-USE** 

#### **PRODUCT FACTS**

This product will provide herbicidal control of certain unwanted aquatic plants species.

#### **AQUATIC WEEDS CONTROLLED**

Controls Various Types of Nuisance Aquatic Weeds







Milfoil

Coontail

Lily

(See complete list under the directions for use section of this label)

#### How SP1304Sculpin G Works

SP1304Sculpin G is applied directly to water in a pond or water front shoreline. The active ingredient, 2,4-D, is quickly absorbed by aquatic plants. SP1304Sculpin G is formulated on biodegradable granules that that when applied to water bodies immediately sink and deliver the product to the critical areas for controlling target weeds. During the growing season, typically weeds decompose in a 2 to 4 week period following treatment.

Where	to /	Apply
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Apply SP1304Sculp	in G herbicide to ponds and water front shorelines.
Questions, Comme	ents or Information
{graphic of phone}	Call

Open booklet for details. Made in U.S.A.

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

EPA Reg. No. 67690-49 FPL20120416032210

EPA Est. No. \_\_\_\_\_

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[Label booklet text for Household/Residential containers]



# SP1304Sculpin G

### **AQUATIC HERBICIDE**

#### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Causes substantial, but temporary eye injury. Harmful if swallowed. Avoid contact with skin or clothing. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

# KEEP OUT OF REACH OF CHILDREN WARNING

	FIRST AID
If in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
lf swallowed	<ul> <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>
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
lf on skin or clothing	<ul> <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>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call **INFOTRAC** at **1-800-535-5053**.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in

water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

#### **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.

#### **GENERAL INFORMATION**

Use <u>SP1304Sculpin G</u> herbicide for control of certain aquatic weeds in ponds and on water front shorelines. This product is designed to selectively control the weeds listed on this label. While certain other weeds may be suppressed, control may be incomplete. Reduced control may occur in lakes or ponds where water replacement comes from bottom springs.

SP1304Sculpin G is formulated on biodegradable granules that, when applied to water bodies, immediately deliver the herbicide down to the critical areas for controlling target weeds.

When applying SP1304Sculpin G follow all applicable use directions, precautions and limitations. All concentrations referred to in this label are based on acid equivalence (a.e.).

#### **IMPORTANT GENERAL USE INFORMATION AND PRECAUTIONS**

- There are no restrictions on fishing, swimming, recreational use, or consumption of treated water for potable use by livestock, pet, or other animals following application of SP1304Sculpin G.
- <u>Do not</u> allow people or pets to enter the treatment area while <u>SP1304Sculpin G</u> is being applied.
- <u>Do not</u> allow people or pets to enter the treated area until dusts have settled.
- <u>Do not</u> apply this product through any type of irrigation system.
- Applications to target areas are limited to two (2) per season.
- Apply a maximum of 65.4 pounds of SP1304Sculpin G (10.8 lbs a.e.)/acre-foot per application. Do not exceed 4.0 ppm during any single application.
- <u>Do not</u> apply within 21 days of previous application except when conducting split treatments. Split treatments, over relatively short periods of time (e.g., 1 to 4 days), may be effective in some areas to maintain adequate exposure with target plants, such as small sites or sites with higher dilution potential.
- Obtain Required Permits: Consult with appropriate state or local water authorities before applying SP1304Sculpin G. If the pond/lake is not privately owned by you be sure to check with state or local water authorities who have regulatory authority over public water as permits may be required by state or local public agencies.

# APPLICATION TO WATERS USED FOR IRRIGATION Irrigation Restrictions

- Do not use treated water for irrigating greenhouse or nursery plants unless 2,4-D concentrations are confirmed to be less than 1 ppb by laboratory analysis.
- <u>Do not</u> use water treated with <u>SP1304Sculpin G</u> for hydroponic farming.

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- <u>Do not</u> apply <u>SP1304Sculpin G</u> directly to, or otherwise permit it to come into direct contact with grapes, tobacco, vegetable crops, flowers, or other desirable susceptible broadleaf plants, and <u>do not</u> permit dust to drift into these areas.
- This label describes both required and recommended uses of a chemical analysis for the active ingredient 2,4-D. SePRO Corporation recommends the use of an Enzyme-Linked Immunoassay (ELISA) test for the determination of SP1304Sculpin G concentration in water. Contact SePRO Corporation for the incorporation of this analysis into your treatment program. Other proven chemical analysis for the active ingredient may also be used. The ELISA analysis is referenced in this label as the preferred method for the rapid determination of the concentration of the active ingredients in the water.
- If <u>SP1304Sculpin G</u> treated water is intended to be used only for crops or non-crop areas
  that are labeled for direct treatment with 2,4-D such as pastures, turf or established
  grasses, cereal grains, the treated water may be used to irrigate and/or mix sprays for
  these sites at any time during and after the application.
- Due to potential phytotoxicity and/or residue considerations, the following restrictions are applicable to other uses of irrigation water:
  - If treated water is intended to be used to irrigate or mix sprays for crops not labeled for direct treatment with 2,4-D, the water must not be used unless <u>one</u> of the following restrictions has been observed:
    - A setback distance described in Table 1 (*Drinking Water Setback Distances*) was used for the application;
    - A waiting period of 21 days from the time of application has elapsed; or
    - An approved assay indicates that the 2,4-D concentration is 100 ppb or less at the water intake. See Table 2 (Sampling for Drinking Water Analysis) for the recommended waiting periods after application but before taking the initial water sample at water intake.
  - If treated water is intended to be used to irrigate non-crop areas not labeled for direct treatment with 2,4-D (e.g., landscape ornamentals) or for other irrigation uses not described, consult with SePRO Corporation prior to commencing irrigation if 2,4-D concentrations are greater than 100 ppb.

## APPLICATIONS TO POTABLE WATER SOURCES Potable Water Restrictions

- The potable water use restrictions on this label are to ensure that consumption of water by
  the public is allowed only when the concentration of 2,4-D in water is less than the MCL
  (Maximum Contaminant Level) of 70 ppb. Applicators should consider the unique
  characteristics of the treated waters to assure that 2,4-D concentrations in potable water
  do not exceed 70 ppb at the time of consumption.
- The drinking water setback distances from functioning potable water intakes are provided in Table 1.

			3030
		TABLE 1	
	DRINKING WATE	R SETBACK DISTAN	NCES ( )
Application conce		m setback distance (ft ater intake	) from functioning potable
≤1 ppm <sup>†</sup>	1.1 to 2.0 ppm <sup>†</sup>	2.1 to 3.0 ppm <sup>†</sup>	3.1 to 4.0 ppm <sup>?</sup>
600	1,200	1,800	2,400

† ppm acid equivalent target water concentration

 Following each application of SP1304Sculpin G, treated water must not be used for potable water unless one of the following restrictions has been observed:

- A setback distance described in Table 1 was used for the application;
- A waiting period of at least 21 days from the time of application has elapsed; or
- An approved assay indicates that the 2,4-D concentration is 70 ppb or less at the water intake. Sampling for drinking water analysis should occur no sooner than stated in Table 2. NOTE: Analysis of 2,4-D drinking water samples must be completed by a laboratory that is certified under the Safe Drinking Water Act to perform drinking water analysis using a currently approved version of analytical Method Number 515, 555, other methods for 2,4-D as may be listed in Title 40 CFR, Part 141.24, or Method Number 4015 (immunoassay of 2,4-D) from U.S. EPA Test Methods for Evaluating Solid Waste SW-846.

	TABLE 2	
SAMPLIN	IG FOR DRINKING WATER	ANALYSIS T
at	s after application before initia the functioning potable water i	ntake
≤1 ppm <sup>††</sup>	1.1 to 3.0 ppm <sup>††</sup>	3.1 to 4.0 ppm <sup>†</sup>
5	10	14

These are general guidelines, the amount of time required for 2,4-D concentrations to reach acceptable levels for drinking or irrigation will depend on the total acres treated relative to water body size, application rates, water exchange rates, weed density, and various other factors. Consult a SePRO Corporation Aquatic Specialist for site specific recommendations.

<sup>††</sup> ppm acid equivalent target water concentration

If no setback distance from Table 1 is to be used for the application, applicators or the authorizing organization must provide a drinking water notification and an advisory to shut off all potable water intakes inside the setback zone prior to SP1304Sculpin G application. Notification to the party responsible for a public water supply or to individual private water users must be done in a manner to assure that the party is aware of the water use restrictions when this product is applied to potable water. The following is an example of a notification via posting, but other methods of notification which convey the above restrictions may be used and may be required in some cases under state or local law or as a condition of a permit.

#### o Example:

- Posting notification should be located every 250 feet including the shoreline of the treated area and up to 250 feet of shoreline past the application site to include immediate public access points. Posting should include the day and time of application. Posting may be removed if analysis of a sample collected at the intake no sooner than stated in Table 2 shows that the 2,4-D concentration is 70 ppb or less, or after 21 days following application, whichever occurs first.
  - Text of notification: "Wait 21 days before diverting functioning surface water intakes from the treated aquatic site to use as drinking water unless water at functioning drinking water intakes is tested no sooner than [insert days from Table 2] and is demonstrated by assay to contain no more than 70 ppb 2,4-D. Application Date: \_\_\_\_\_ Time: \_\_\_\_."
- 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.

#### WHEN & HOW TO APPLY

• For best results, apply during sunny, dry, non-windy conditions.

- Apply directly into the water where weeds are present.
- For best results, apply in the spring and early summer, during the time weeds start to grow.
- If treatments are delayed until weeds form a dense mat or reach the surface, two
  treatments may be necessary. Make the second treatment when weeds show signs of
  recovery.
- Treatments made after September may be less effective depending upon water temperatures, region of the country, and weed growth.
- Use a portable spreader such as the Cyclone seeder or other equipment capable of
  uniformly applying this product. Estimate or measure out the area you want to treat.
  Weigh out the amount of material needed and spread uniformly over the area. More
  uniform coverage is obtained by dividing the required amount in two and covering the area
  twice, applying the second half at right angles to the first.
- Use the following formula to calibrate your spreader's delivery in pounds of SP1304Sculpin G per minute:

Pounds per Minute = Miles per hour x spreader swath width (ft) x pounds per acre
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Example Calculation: To apply 100 pounds of <u>SP1304Sculpin G</u> per acre using a spreader that covers a 20 foot swath from a boat traveling at 4 miles per hour, set the spreader to deliver 16.1 pounds of <u>SP1304Sculpin G</u> granules per minute:

Rates of application vary with susceptibility of weed species to SP1304Sculpin G, density
of weed mass at time of treatment, stage of growth, water depth, and rate of water
exchange through the treated area. Rates should be selected according to rates found in
Table 4 (Pounds of SP1304Sculpin G to Apply for Target Concentration of 2 and 4 PPM
2,4-D).

TABLE 3				
AQUATIC PLANT SUSCEPTIBILITY TO	SP1304Sculpin G			
PLANT SPECIES	SP1304Sculpin G PPM <sup>†</sup> up to 1.0 to 4.0			
Susceptible Weeds watermilfoil (Myriophyllum spp.)				
bladderwort (Utricularia spp.) coontail <sup>††</sup> (Ceratophyllym demersum) water chestnut (Trapa natans) water stargrass <sup>††</sup> (Heteranthera dubia) watershield (Brasenia spp.) white water lily (Nymphaea spp.) yellow water lily (Nuphar spp.) or spatterdock <sup>††</sup>	up to 2.0 to 4.0			

<sup>&</sup>lt;sup>†</sup> Lower concentrations may be effective under certain conditions, such as when treating larger/continuous areas or areas with less water exchange, etc.

<sup>††</sup> Repeat applications may be necessary.

	T/	ABLE 4							
POUNDS OF <u>SP1304Sculpin G</u> TO APPLY FOR A TARGET CONCENTRATION OF 2 AND 4 PPM 2,4-D <sup>†</sup>									
Surface Area	Average Depth (feet)	For typical conditions – 2 ppm (pounds)	For difficult conditions – 4 ppm (pounds)						
1 acre	1	32.7	65.4						
	2	65.4	130.9 196.3						
	3	98.2							
	4	130.9	261.8						
	5	163.6	327.2						

Higher rates in the rate range are recommended: in areas of greater water exchange, when treating more mature plants, when targeting more difficult to control aquatic species, and when treating small areas in larger bodies of water (spot treatments). Lower concentrations are generally used when: conducting early season large-scale treatments; and treating larger areas, more immature plants, and in areas with less potential for rapid water exchange. Some areas may require a repeat application to control re-growth.

**NOTE**: The following formula can be used to calculate applications rates based on depths exceeding 5 feet deep or when using a concentration not in the table above:

Pounds of SP1304Sculpin G per Acre = average depth x target ppm x 16.36

#### Example Calculation:

6 foot average depth x 2.25 ppm x 16.36 = 221 pounds of SP1304Sculpin G per acre

**NOTE:** apply a maximum of 65.4 pounds of <u>SP1304Sculpin G</u> (10.8 lbs a.e.)/acre-foot per application. Do not exceed 4.0 ppm during any single application.

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store product in original container in a safe place. Do not store near feed or foodstuffs. In case of spill, contain material and dispose as waste.

Pesticide Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If Empty: Do not reuse this container. Place in trash or offer for recycling if available. If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

#### 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, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations 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

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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 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 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:

- (3) Refund of purchase price paid by buyer or user for product bought, or
- (4) Replacement of amount of 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 *Limitations of Remedies* in any manner.

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[Base label for Household/Residential containers]



## SP1304Sculpin G

### AQUATIC HERBICIDE

**READY-TO-USE** 

#### SePRO Corporation FAMILY OF PRODUCTS

Visit the SePRO website to learn more about the SePRO family of products for the best solution to your toughest pond and lakeshore aquatic weed and algae problems.

{Insert graphic - SePRO product family photo}

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

Pesticide Storage: Store product in original container in a safe place. Do not store near

feed or foodstuffs. In case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. <u>If Empty</u>: Do not reuse this container. Place in trash or offer for recycling if available. <u>If Partly Filled</u>: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.