

73049-484

08/20/2012

1/8



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Nasser A. Assaf, Ph.D.
Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

AUG 20 2012

Subject: Label Notification(s) for Pesticide Registration
Notice 98-10

Dear Dr. Assaf:

The Agency is in receipt of your Application(s) for Pesticide
Notification under Pesticide Registration Notice (PRN) 98-10 dated
July 26, 2012 for the following product(s):

S-fenvalerate 0.25% Spray **Alternate Brand Name**

The Registration Division (RD) has conducted a review of this
request for applicability under PR Notice 98-10 and finds that the
label change(s) requested falls within the scope of PRN 98-10.
The label has been date-stamped "Notification" and will be placed
in our records.

S-Fen 0.25% Spray **EPA Reg. No. 73049-484**

The primary name of this product has been changed to S-Fen
0.25% Spray.

If you have any questions, please contact Linda A. DeLuise at
703-305-5428.

Sincerely,

Richard J. Gebken
Product Manager
Insecticide Branch
Registration Division (7504P)

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 73049-484	2. EPA Product Manager Mark Suarez	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Crossfire 0.25% Spray	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Valent BioSciences Corporation 870 Technology Way Libertyville, IL 60048 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>NOTIFICATION</u> Product Name <u>AUG 20 2012</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.) 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.

NOTIFICATION of Change of Primary Name per PR Notice 98-10 II A. From "Crossfire 0.25 Spray" to "S-Fen 0.25% Liquid"
Addition of Alternate Name: "S-fenvalerate 0.25% Liquid"

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
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		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
		If "Yes" Package wgt	No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 8, 16, 32, 64 ounces; 1, 5, 10 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Nasser Assaf, Ph.D.	Title Manager, Product Safety and Regulatory Affairs	Telephone No. (Include Area Code) (847) 960-4844
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, both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>NAASSAF</i>	3. Title Manager, Product Safety and Regulatory Affairs	
4. Typed Name Nasser Assaf, Ph.D.	5. Date July 26, 2012	

3/8

S-Fen 0.25% Spray

Alternate Brand Name:

S-fenvalerate 0.25% Spray

- [Kills granary pests, ants, cockroaches, spiders, scorpions and other listed insects
- Approved for use in and around food and non food areas of commercial facilities such as food manufacturing and warehousing establishments, meat packing facilities, bakeries, food service establishments, food processing plants and railroad cars
- For Indoor use]

ACTIVE INGREDIENT:

Esfenvalerate.....0.25%

*OTHER INGREDIENTS..... 99.75%

100.00%

* Contains petroleum distillate

NOTIFICATION

AUG 20 2012

EPA Reg. No. 73049-484

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side/back panel for additional precautions

FIRST AID	
If Swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If in Eyes:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on the product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.	
NOTE TO PHYSICIAN	
Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

Net Contents: _____ Gallons (_____ Liters)
Lot Number:

4/8

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. When applying dilution indoors as a space spray or fog, wear a full-face gas mask with canister of a type recommended for general pesticide protection.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use or store near heat or open flame.

DIRECTIONS FOR USE

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

All food and food processing surfaces must be covered or removed during application or thoroughly washed before reuse.

DO NOT use in and around residential sites.

DO NOT apply directly to food.

DO NOT apply when food-processing facility is in operation or foods are present.

DO NOT apply this product to surfaces or utensils that may come into contact with food.

DO NOT treat areas when occupants are present.

DO NOT treat establishments where livestock feed is present.

DO NOT apply to institutions (including libraries, sport venues, etc.) in the immediate area when occupants are present.

DO NOT apply directly to sewers or drains or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur, except as directed by this label. DO NOT spray plants to be used for food or feed.

DO NOT allow children or pets to contact treated surfaces until dry.

After space spraying, DO NOT remain in treated area after treatment. Ventilate area thoroughly before re-entry.

For Tank Mix

Crossfire 0.25% S-Fen 0.25% Spray can be mixed with an EPA registered product such as pyrethrins or with an insect growth regulator that is approved for use in food handling establishments. Application must conform to the use directions and precautions of both products. Prior to tank mixing, a small jar compatibility test should be conducted using the proper proportions of each product and oil to ensure the physical compatibility of the mixture. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing. Before using as a tank mix, read all product labels carefully and follow directions for use. Do not tank mix with products which are not approved for such uses and use sites.

FOR INDOOR USE:

Apply Crossfire 0.25% S-Fen 0.25% Spray as a contact-spray insecticide to control pests in commercial food and non-food areas of non-residential food service and handling establishments. These include but not limited to: bakeries, restaurants, grocery stores, food manufacturing and processing establishments, and food warehouses. Refer to chart below for application rates.

Food Areas include: receiving, storage, bottling, canning, packing, boxing, wrapping, preparing, edible waste storage and enclosed processing systems, dairies and mills.

Serving Areas are places where prepared foods are served, such as restaurants, dining rooms, but excluding areas where foods may be prepared or staged.

Non-food areas include: offices, vestibules and entries, garbage rooms, garages, storage areas for bottles or canned items, lavatories, floor drains, boiler rooms, locker rooms, machine rooms, and closets.

Contact Spray applications: please reference rate chart:

MIXING DIRECTIONS:

Application	Concentration	Usage Rate	Surface Area	Mix in 1 Gallon of Oil*
Light infestations	0.025% active ingredient	1 Gallon	1000 ft ² (33' x 30')	12 fluid oz.
Heavy infestations	0.05% active ingredient	1 Gallon	1000 ft ² (33' x 30')	22 fluid oz.

*Use an oil that is an odorless light petroleum hydrocarbon as defined by CFR Title 21, Sec 172.884 for all food area and food related applications. Mix thoroughly before use.

Surface Spray Application:

Before loading areas such as production and storage warehouses, rail cars, and truck beds with merchandise, pre-treat areas where products will be stored. Pay special attention to areas where pests may hide especially around/into floor drains, baseboards, equipment, chairs, non-food conveyors, and other areas where granary insects may be found especially any cracks and crevices in floors and walls. Food processing facility must not be operating during treatment.

Application	Pests*	Usage Rate	Surface Area	Retreatment Interval
Apply as a coarse wet spray with a low pressure sprayer (less than 20 psi) to surfaces	Cadelles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Granary Weevils, Meal Moth Larvae and Adults, Rice Weevils, Rust Red Flour Beetles and Saw-Toothed Grain Beetle	One (1) Gallon (diluted)	1000 ft ² (33' x 30')	DO NOT exceed one (1) application every fourteen (14) days.
Apply as a coarse wet spray with a low pressure sprayer into all cracks and crevices in woodwork, floors, under sinks, areas behind pipes, utility service boxes	Kills Ants, Centipedes, Cockroaches, Crickets, Earwigs, Millipedes, Psocids, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders and Waterbugs.			DO NOT exceed more than one (1) application every seven (7) days in restaurants and similar food service establishments or more than one (1) application every fourteen (14) days in all types of food handling/processing establishments.

*Accessible stages of granary insects.

Space Spray Application:

Close room and turn off all ventilating equipment such as fans and air conditioning. Apply at the recommended rate in the table below, using a reputable generator or mechanical aerosol fogger which creates a thirty (30) micron or less particle size.

Begin by directing spray into all cracks and crevices, behind all equipment, cupboards, furniture, cabinets, appliances, or any dark harborage areas, then treat as a space spray, directing the spray towards the high corners of the room and the ceiling. Keep areas closed for at least 30 minutes. Leave area immediately after treatment. Turn ventilations system back on and ventilate area thoroughly before re-entering.

Pests*	Usage Rate	Surface Area	NOTE:
Gnats, Houseflies, Mosquitoes, and Small Flying Moths	Direct spray one (1) fluid ounce product <u>undiluted</u> at the maximum level of active ingredient (0.25%).	1000 ft ³ (33' x 30') of space	DO NOT repeat application more than once every three (3) days.
Angoumois Grain Moth, Cadelle, Cigarette Beetle, Cockroaches, Confused Flour Beetle, Grain Mites, Indian Meal Moth, Mediterranean Flour Moth, Rice Weevil (Adult and Accessible Forms) Saw-toothed Grain Beetle, Yellow Meal Worm	Spray one (1) fluid ounce using a mechanical aerosol fogger product <u>undiluted</u> at the maximum level of active ingredient (0.25%).		

*Adult and accessible stages

FOR PREMISE PESTS:

For commercial structures (non-residential) buildings including non-food areas of industrial/institutional facilities, office buildings, theaters, hotels, libraries, sports facilities, truck trailers, and warehouses when occupants are NOT present in the immediate area.

Application	Pests	Usage Rate	Surface Area	Concentration	Helpful Hints
Apply as a coarse wet spray with a low pressure sprayer to thoroughly treat insect hiding places such as cracks, crevices, under refrigerators and along baseboards and moist areas around pipes and utility service boxes, to control the insect pests listed.	Ants, Centipedes, Crickets, Cockroaches, Earwigs, Millipedes, Psocids, Pillbugs, Sowbugs, Spiders and Waterbugs	One (1) gallon of diluted spray	1000 ft ² (33' x 30')	0.025% active ingredient	Look for areas where these pests are found or may hide, including dark corners of rooms; closets, storage rooms, along door and window frames and baseboards, cracks and crevices in floors, walls; and between building construction elements, behind and beneath appliances such as refrigerators, stoves, and sinks, cabinets, around garbage cans, bins,
Apply as a coarse wet spray using a low pressure sprayer into cracks and crevices, through openings into wall voids, or drill	Carpenter Ants	Add 22 fluid oz. of <u>Crossfire S-Fen</u> to a Gallon of oil		0.051% active ingredient	

small holes and spray into wall voids where these ants or their nests are found.					and dumpsters, plumbing and other utility service installations.
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Pests flushed from hiding should be sprayed directly. For Ants, ant trails, door thresholds, door and window frames (outdoors and indoors), and wherever these pests may find access into the building should be sprayed.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep container tightly closed.

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

PESTICIDE DISPOSAL & CONTAINER HANDLING:

{Containers with NO dilutable instructions} Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

{Containers that DO include dilutable instructions}

Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying.

{Containers 5 gallons or less}

Triple rinse 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 oil used to dilute the product 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 the procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill or by other approved State or Local procedures.

{Containers over 5 gallons}

Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with oil used to dilute product. 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 mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALENT BIOSCIENCES CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND

