



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 20, 2010

Mr. Nasser A. Assaf, Ph.D.,
Regulatory Manager, ESD
Valent BioSciences Corporation
870 Technology Way, Suite 100
Libertyville, IL 60048-6316

Subject: Re-review of Label for EPA Reg. No. 73049-226
Product Name: Pyrenone[®] General Purpose Household Spray 0.1-0.5

Dear Mr. Assaf:

The Agency previously completed its review of acute toxicity studies submitted by Valent BioSciences Corporation on January 22, 2009, in support of 3 new products: (1) Pyrenone[®] 0.5-2.5 Space Spray (EPA Reg. No. 73049-464); (2) Pyrenone[®] 3-15 Space Spray (EPA Reg. No. 73049-465); and (3) Pyrenone[®] 1-5 Space Spray (EPA Reg. No. 73049-466), that were registered on August 4, 2009.

Further, the Agency was unable to locate any previously completed acute toxicity review for Pyrenone[®] General Purpose Household Spray 0.1-0.5 (EPA Reg. No. 73049-226). The test material used for 6 of the acute toxicity studies mentioned above (MRIDs 47654004, 47654006, 47654008, 47654010, 47654012 and 47654014) can be used to support Pyrenone[®] General Purpose Household Spray 0.1-0.5; therefore, EPA reviewed these studies, and has revised the referenced product label accordingly.

In order to maintain consistency between other Valent products, incorporate the following revisions into the label for Pyrenone[®] General Purpose Household Spray 0.1-0.5 as follows:

Ingredient Statement comment(s):

1. Revise the ingredient listed as "Piperonyl Butoxide*" to read: "Piperonyl Butoxide: Technical*"
2. Add the following footnote on the label for piperonyl butoxide as follows: "*Equivalent to 0.4% of (butylcarbityl)(6-propylpiperonyl) ether and 0.1% of related compounds."

First Aid Statement section comment(s):

3. Replace the 2nd sentence from the next-to-last statement in this section with: "**For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.**"¹

¹ Please note that the "1-877-315-9819" number listed must be available twenty-four (24) hours per day, seven (7) days per week for answering and responding to any medical emergencies or health concerns.

Storage and Disposal section comment(s):

4. To facilitate inclusion of language from PR Notice 2007-4, revise the "**Container Disposal**" to read:

"Nonrefillable container. Do not reuse or refill this container.

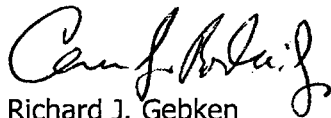
Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with diluent and recap. Shake for 10 seconds. Pour rinsate into 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 2 more times. Then offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures as approved by state and local authorities."

5. Within the subsection entitled "FOR CONTAINERS LESS THAN ONE GALLON:"

- Revise the subsection title "**Storage:**" to read "**Pesticide Storage:**"
- Revise the existing "**Disposal:**" subsection to read "**Pesticide Disposal:** Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain."

Within 45 days of the date of this letter, you must submit a new label as an amendment to effectively incorporate the referenced label revisions. If we do not receive an amended label, the Agency may pursue further regulatory action, including cancellation in accordance with section 6(e) of FIFRA. If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,

Fof 
 Richard J. Gebken
 Product Manager (10)
 Insecticide Branch
 Registration Division (7504P)

Enclosures: *Copy of label stamped "Accepted with Comments"*
Copy of acute toxicity review, dated July 15, 1009

073049-00226 D416835

ACCEPTED
COMMENTS
In A Letter Dated:

July 20, 2010

Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

73049-226

PYRENONE®

GENERAL PURPOSE HOUSEHOLD SPRAY

- **EFFECTIVE FAST ACTING PYRENONE INSECTICIDE**
- **FOR USE IN HOMES, INSTITUTIONS, RESTAURANTS AND FOOD PROCESSING PLANTS**
- **KILLS ON CONTACT EXPOSED OR ACCESSIBLE STAGES OF: ANGOUMS GRAIN MOTHS, ROACHES, FRUIT FLIES, CONFUSED FLOUR BEETLES, SILVERFISH, CRICKETS, SAW TOOTHED GRAIN BEETLES, ANTS, SPIDERS, MEDITERRANEAN FLOUR MOTHS, FLEAS, CADELLES, BROWN DOG TICKS IN BUILDINGS, HOUSE FLIES, SKIPPERS, RUSTY GRAIN BEETLES, GNATS, WASPS, SMALL FLYING MOTHS, HORNETS, SAND FLIES, MEAL WORMS, MOSQUITOES, BEDBUGS, INDIAN MEAL WORMS, MEAL MOTHS, GRAIN MITES, CHEESE MITES, RICE WEEVIL, SPIDER BEETLES, RED FLOUR BEETLES, CARPET BEETLES, GRANARY WEEVILS AND CLOTHES MOTHS**

ACTIVE INGREDIENTS:

Pyrethrins 0.1 %

Piperonyl Butoxide 0.5 %

OTHER INGREDIENTS: 99.4 %

100.0 %

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 73049-226

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• 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 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 by 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 15-20 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. In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-877-315-9819.	
NOTE TO PHYSICIAN	
Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

See Side Panel for Additional Precautionary Statements

NET CONTENTS:

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After space spraying in food processing plants, wash with potable water all equipment, benches, shelving, etc., where exposed food will be handled. In the home, cover all food processing surfaces and utensils during treatment or thoroughly wash before use.

Remove pets and birds, and cover fish aquaria before spraying. Prevent re-entry of dogs and cats into treated area until spray deposits are dry.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

Physical and Chemical Hazards

Do not use, pour, spill 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.

SPACE SPRAY

FOR RAPID CONTROL OF HOUSEFLIES, FRUIT FLIES, MOSQUITOES, GNATS, SMALL FLYING MOTHS, SAND FLIES, WASPS AND HORNETS: Close doors and windows and shut off ventilating systems. Apply using a good machine adjusted to deliver a fine mist. Direct spray toward the upper portions of the room to fill the entire area with mist, using 1 to 2 ounces per 1000 cubic feet of space. Vacate the treated area and ventilate before reoccupying. Keep the area closed for ten minutes after treating.

SURFACE APPLICATION

TO CONTROL ROACHES, SILVERFISH, CRICKETS AND SPIDERS: Apply as a coarse wetting spray directed into locations where these insects may hide, behind baseboards, moldings, cabinets, shelves, sinks, door and window frames, around plumbing, drains and in dark corners and into cracks and crevices, hitting insects with the spray whenever possible.

Against *Ant* infestations, treat shelves, cabinets and storage areas; spray ant runs, trails, baseboards, thresholds and other places of entry and treat nests liberally.

In controlling *Fleas* and *Brown Dog Ticks* in houses, direct the application toward the lower wall portions, baseboards, rugs, carpets and floors of infested areas. Also spray animal quarters, kennels and bedding.

To control *Bedbugs* effectively, apply liberally to top, ends, sides and bottom of mattresses, spraying thoroughly all tufts, seams and folds. Spray springs and frame, directing the liquid into all cracks and lock joints. Treat walls, baseboards, moldings, floors, closets and bedroom furniture, picture frames, with particular attention to protected bedbug hiding and breeding places.

FOR MOST EFFECTIVE CONTROL OF CLOTHES MOTHS AND CARPET BEETLES, remove infested articles from storage, brush thoroughly and, if possible, air several hours in direct sunlight. Apply spray liberally in empty chests, closets, bureaus and storages, directing the liquid into cracks, joints and crevices. After airing, infested articles may be treated by holding the spray nozzle at least 3 feet away from the fabric and applying the liquid lightly to the seams to avoid the possibility of staining. Treat both sides of rugs, carpets and pads, and all exposed and accessible surfaces of over-stuffed furniture. Do not overspray if products are made of rubber or are rubber coated, to prevent expansion or swelling. Repeat treatments monthly unless the articles are stored in moth-tight containers.

TO CONTROL INFESTATIONS OF GRANARY WEEVILS, RICE WEEVILS, SAW-TOOTHED GRAIN BEETLES, CONFUSED FLOUR BEETLES, RUSTY GRAIN BEETLES, RED FLOUR BEETLES, CADELJES, MEAL WORMS, GRAIN MITES, ANGOUMOIS GRAIN MOTHS, INDIAN MEAL MOTHS AND MEDITERRANEAN FLOUR MOTHS IN FOOD STORAGE AREAS: If possible clean out and destroy any infested food products; otherwise, fumigate or treat with other effective means using an approved product intended for this purpose. Apply this spray thoroughly to all surfaces of shelves, cabinets, bins, pantries and similar food storage areas with particular attention to cracks, crevices, niches and other hiding places.

FOG OR VAPOR SPRAY: To kill accessible or exposed stages of insects named on this label (excepting clothes moths, bedbugs and carpet beetles): Apply using conventional mechanical or compressed air equipment. Fill the entire area with mist using 3 to 6 ounces per 1000 cubic feet of space.

STORAGE AND DISPOSAL

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

Pesticide Storage And Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

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

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

FOR CONTAINERS LESS THAN ONE GALLON:

Storage: Store in a cool, dry area away from children and pets.

Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

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 should 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.

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Valent BioSciences Corporation
Environmental Science Division
870 Technology Way, Suite 100
Libertyville, IL 60048
List No. 73049227

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