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7/27/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

JUL 27 2012

OFFICE OF  
CHEMICAL SAFETY  
AND POLLUTION PREVENTION

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

Subject Amended Labeling to Add Pest  
Pyrenone General Purpose Spray  
EPA Registration Number 73049-269  
Application Dated March 13, 2012  
Decision 462561

Dear Dr Assaf

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

If you have any questions, please contact Melody Banks on 703 305-5413 or via E-mail @ banks melody@epa.gov

Sincerely,

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

Enclosures Product Performance Review  
Product Performances Data Evaluation Records  
Stamped Copy of Product Label

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# PYRENONE®

## GENERAL PURPOSE SPRAY

*Pyrenone General Purpose Spray Is an Effective Fast Acting Insecticide That Kills The Accessible Or Exposed Stages Of Ants Bedbugs Cheese Mites Clover Mites Cockroaches Crickets Flying Moths Fruit Flies Gnats Hornets Houseflies Mosquitoes Scorpions Silverfish Spiders And Wasps*

*Pyrenone General Purpose Spray Controls Many Common Stored Product Pests Angoumois Grain Moths Grain Mites Rice Weevils Carpet Beetles Granary Weevils Rust Red Flour Beetles Cheese Skippers Indian Meal Moths Saw Toothed Grain Beetles Cigarette Beetles Meal Worms Spider Beetles Confused Flour Beetles Mediterranean Flour Tobacco Moths Drugstore Beetles Moths*

*Pyrenone General Purpose Spray Is Highly Useful For Insect Control In Residences Institutions Public Buildings Hospitals Hotels Restaurants Stores Theaters Food Processing Plants Bakeries Grain Mills Dairies Breweries Bottling Plants Warehouses Trucks And Other Situations Where An Insecticide With A High Degree of Effectiveness Is Required*

*When Used As Directed Allowable Tolerance Levels In Food Will Not Be Exceeded*

*Contains Pyrethrins A Botanical Insecticide*

*Contains Pyrethrins Combined With [Piperonyl Butoxide] [Butacide®] To Give Rapid [Flush Out And] Knockdown With Extended Killing Power*

*Pyrethrins Rapidly [Expels] [Flushes Out] And Knocks Down Bugs [Roaches] [Insects] From Cracks and Crevices [Their Hiding Places]*

*Pyrethrins Insecticide [Is] Made From [Chrysanthemum] Flowers*

*Specially Formulated [Designed] To [Provide Fast and Effective] Kill [Of] Crawling and Flying [Pests][Insects]*

### ACTIVE INGREDIENTS

Pyrethrins	0 15 /
Piperonyl Butoxide	1 50 /
<b>OTHER INGREDIENTS</b>	<u>98 35 /</u>
	100 00 /

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

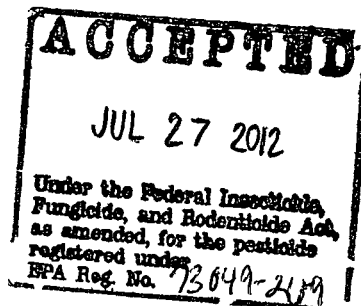
EPA REG NO 73049 269

EPA EST NO

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See Side/Back Panel For Additional Precautions and First Aid

NET CONTENTS



<b>FIRST AID</b>	
<b>If Swallowed</b>	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 <b>any</b> liquid to the person Do not give anything by mouth to an unconscious person
<b>If Inhaled</b>	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
<b>If in Eyes</b>	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
<b>If on Skin or Clothing</b>	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
<b>HOT LINE NUMBER</b>	
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	
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate vomiting may cause aspiration pneumonia	

### **PRECAUTIONARY STATEMENTS**

#### **Hazards To Humans & Domestic Animals**

#### **CAUTION**

Harmful if swallowed Avoid breathing spray mist Avoid contact with eyes and skin Wear protective clothing Wash thoroughly with soap and water after handling and before eating or smoking Remove contaminated clothing and wash clothing before reuse Remove pets birds and cover fish aquaria before spraying Prevent re entry of dogs and cats into treated area until spray deposits are dry

Do not apply as a space spray while food processing is underway Except in Federally inspected meat and poultry plants when applied as a surface spray with care and in accordance with the directions and precautions given above food processing operations may continue Cover or remove foods before treatments In food processing areas all surfaces must be washed and rinsed with potable water after spraying

When using in animal quarters do not apply directly to food water or food supplements Wash teats of dairy animals before milking

#### **Environmental Hazards**

This product is highly toxic to fish To protect the environment do not allow pesticide to enter or run off into storm drains drainage ditches gutter or surface waters Apply 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 areas Do not apply where runoff is likely to occur Do not apply when weather conditions favor drift from areas treated Shrimp and crabs may be killed at application rates recommended on this label Do not apply where these are important resources

#### **DIRECTIONS FOR USE**

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

For maximum insect control a combination of localized surface application and space treatment is recommended

When treating surfaces and fabrics spray in an inconspicuous area to test for possible staining or discoloration

Application is prohibited into sewer drains or to any area like a gutter where drainage to sewers storm drains water bodies or aquatic habitat can occur Do not allow this product to enter any drain during or after applications

**CONTACT SPRAY** To kill ants (including carpenter fire harvester & pharaoh ants) centipedes cockroaches (including American German & Oriental cockroaches) fleas spiders (including brown recluse black widow & hobo spiders) ticks (including deer brown dog and American dog ticks) chiggers black flies deer flies horse flies house flies mosquitoes gnats biting midges wasps and yellow jackets Spray where insects congregate and individual pests when seen Spray [1 2 pumps of trigger] [1 3 grams] contacting insects directly Insects contacted by spray will be killed

**SPACE SPRAY** For rapid control of *Houseflies Fruit Flies Mosquitoes Flying Moths* and *Gnats* Close doors and windows and shut off ventilating systems Use a good sprayer adjusted to deliver a fine mist directing spray toward the upper portions of the enclosure and filling the room with mist Use 1/2 to 1 oz. of spray for each 1000 cubic feet of space Keep area closed for at least 10 minutes after spraying

Vacate area after treatment and ventilate for 30 minutes before reoccupying Do not allow pets to enter area before ventilated

**VAPOR SPRAY** Pyrethrin General Purpose Spray is a potent spray that permits its use as a fog or vapor treatment in special electric steam or compressed air equipment Use in accordance with manufacturers directions for the individual type of applicator selected Dosages vary with different generators but many such applicators are designed to give most effective results when the material is used at 1 pint to each 8 000 15 000 cu. ft. of space In all cases dosages should be sufficient to thoroughly fill the enclosure with fog or vapor Insects controlled will be the same as given for Space Spray above

**SURFACE SPRAY** To control *Cockroaches Silverfish Crickets Spiders Clover Mites Scorpions Cheese Mites Cheese Skippers Spider Beetles* use Pyrethrin General Purpose Spray in a good machine adjusted to deliver a coarse droplet spray using approximately 1 gal. of material to each 750 sq. ft. of surface Spray infested areas thoroughly and direct the liquid behind baseboards moldings cabinets shelves sinks door and window frames pipes toward drains and dark corners and into cracks crevices recesses and similar hiding places contacting insects wherever possible

**AGAINST Ant INFESTATION** treat shelves cabinets and storage areas spray ant trails baseboards thresholds and other places of entry and treat nests liberally

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

**TO CONTROL Carpet Beetles** effectively apply to floor areas and baseboards Spray directly into cracks crevices and under carpets where insects may be found Treat both the underside and top side of infested carpets Spray inside of trucks closets and infested areas of shelving

**STORED GRAIN OR FLOUR INSECTS** Pyrethrin General Purpose Spray is also useful in mills elevators granaries warehouses food storages and other situations where an effective fast acting insecticide is required for control of the exposed stages of *Granary Weevils Rice Weevils Cigarette Beetles Drugstore Beetles Carpet Beetles Saw Toothed Grain Beetles Rust Red Flour Beetles Confused Flour Beetles Angoumois Grain Moths Indian Meal Moths Tobacco Moths Meal Worms* and *Grain Mites* As a space or vapor spray it provides rapid kill of flying and crawling stages In cracks and crevices of floors it is effective in the control of grain insects

**FOR TREATMENT OF FLOORS AND BINS** Pyrethrin General Purpose Spray not only gives initial kill of the accessible stages of most stored grain and food product pests listed in the previous paragraph but gives some continued protection in cracks and crevices where insects hide Apply with a good machine adjusted to deliver a coarse droplet spray using approximately 1 gal. of material to each 750 sq. ft. of surface

**IN MILLS ELEVATORS AND GRANARIES** thoroughly spray floors walls and other surfaces of bins storage and handling areas with particular attention to cracks crevices and similar protected locations Waste grain dust dirt and debris should be removed and destroyed and storage areas cleaned before spraying Treat unloading handling and processing areas and apply the insecticide to conveying processing and handling equipment the inside of reel sifter purifier conveyors sifters roll housings and hoppers pick up conveyors etc Spray thoroughly around the bases of heavy machinery and equipment

**FOR IN TRANSIT PROTECTION AND CONTROL** treat truck beds box cars and ships holds before loading For extended protection and control in warehouses and food products storages treat exposed surfaces as recommended above and spray heavily into cracks crevices recesses hiding and breeding areas Thoroughly treat walls floors shelves and other exposed areas and lightly spray each layer of cartons or containers as stacked

**AS A CONTACT SPRAY** Pyrethrin General Purpose Spray is also very effective when used as a contact spray against *Mosquitoes Gnats Wasps Hornets Skippers Scorpions* and *Cheese Mites* When these insects are present contacting them with a fine mist will provide immediate kill Spraying walls ceilings lights moldings screen doors and door frames beams and light cord will make these location unfavorable as resting or hiding places for these insects

#### STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

**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** Non refillable container **If empty** Do not reuse or refill this container Offer for recycling or reconditioning if available or puncture and dispose of in a sanitary landfill or by other approved state and local procedures **If partly filled** Call your local solid waste agency for disposal instructions

**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

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