

73049-482

09/25/2012

1/7



U S ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Avenue N W
Washington D C 20460

EPA Reg Number
73049-482

Date of Issuance
SEP 25 2012

Term of Issuance
Conditional

Name of Pesticide Product
VBC3 Insecticide

NOTICE OF PESTICIDE

Registration
 Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code)

Valent Biosciences Corporation
870 Technology Way
Libertyville, IL 60048

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant the above named pesticide is hereby registered/reregistered under the Federal Insecticide Fungicide and Rodenticide Act

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency In order to protect health and the environment the Administrator on his motion may at any time suspend or cancel the registration of a pesticide in accordance with the Act The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided

- 1 You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data, and submit acceptable responses required for reregistration of your product under FIFRA section 4
- 2 The acute toxicity studies were reviewed and classified as acceptable The acute toxicity profile for this product is

Acute Toxicity Study

Toxicity Category

Acute Oral	IV	Acceptable
Acute Dermal	IV	Acceptable
Acute Inhalation	IV	Acceptable
Primary Eye Irritation	IV	Acceptable
Primary Dermal Irritation	IV	Acceptable
Dermal Sensitization	Negative	Acceptable

Continued on the next page

Signature of Approving Official

Richard Gebken, Product Manager, RD/IB (7505P)

Date

SEP 25 2012

3 The basic Confidential Statement of Formula (CSF) dated December 7, 2011 is acceptable and is the basic CSF of record The Alternate Confidential Statement of Formula dated December 7, 2011 is also acceptable

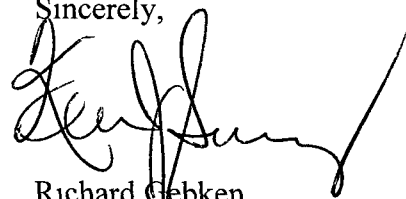
4 The product chemistry data requirements for this product are fulfilled except that you are required to generate a one year storage stability study (830 6317) for the subject product under warehouse conditions It is recommended that observations be made at 0, 3, 6, 9, and 12 months A corrosion characteristics study (830 6320) is also required and may be conducted concurrently with the Storage Stability study

5 The product performance data requirements have been fulfilled except that you are required to generate a product specific efficacy study with susceptible and resistant adult bed bugs on mattress ticking substrate to confirm the residuality of this application type

Please submit two (2) copies of your final printed labeling before releasing the product for shipment If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e) Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions A stamped copy of the label is enclosed for your records

If you have any questions regarding this registration, please contact Kevin Sweeney at (703) 305-5063 Thank you for your cooperation in this matter

Sincerely,



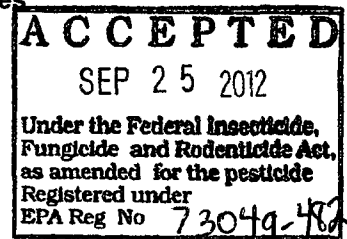
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Richard Gebken
Product Manager
Insecticides Branch
Registration Division (7505P)

Enclosure

VBC₃ Insecticide

- [Kills Bed Bugs and Bed Bug Eggs
- Scientifically formulated to kill Pyrethroid-resistant and or Field and or Wild Bed Bug Strains
- Kills all bed bug life stages or entire bed bug lifecycle by Contact
- Kills and or Controls and or Targets Adult and Nymphs Bed Bug Life Stages
- Kills and or Targets all Bed Bug Life Stages Adults, Nymphs and Eggs
- Kills Bed Bugs on surfaces for up to 4 weeks
- Reduces and or Prevents pyrethroid-resistant and susceptible Bed Bug egg hatch
- Residual Control and or Kill for up to 4 weeks or 30 days or 1 month begins working within minutes of exposure or application
- Effective for up to 30 days Post or After Application
- Direct contact provides control in only 5 minutes as shown in or by independent testing
- Fast or Quick Knockdown and Kill
- Patent Pending Technology
- Recommended for use by Pest Control Operators or Pest Management Professionals or Commercial Applicators
- For use in Residential, Institutional and Commercial Facilities
- Approved for direct application on or onto to mattresses
- Use as part of your existing bed bug control program
- Non-staining
- No visible residue
- Low odor
- Non-Repellent
- Easy to measure and mix
- Unique water-based formula
- Unique blend of active ingredients to control and or kill resistant bed bugs



EPA Reg No 73049-482

EPA Est No xx-x

ACTIVE INGREDIENTS

Clothianidin	4 00%
Metofluthrin	0 10%
Piperonyl Butoxide*	10 00%
OTHER INGREDIENTS	<u>85 90%</u>
	100 00%

*(butylcarbityl) (6-propylpiperonyl) ether and related compounds

Contains 0 3409 lb of Clothianidin 0 0085 lb of metofluthrin and 0 8523 lbs of piperonyl butoxide per gallon of concentrate

KEEP OUT OF REACH OF CHILDREN

See attached booklet [inside label][back panel] for additional precautionary statements
[and directions for use]

PRECAUCION AL CONSUMIDOR Si usted no lee ingles no use este producto hasta que la etiqueta le haya sido explicada ampliamente

(TO THE USER If you cannot read English do not use this product until the label has been fully explained to you)

Net Contents 13 fl Ounces

4/7

FIRST AID	
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 eyes • Call a poison control center 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 this product (including health concerns, medical emergencies or pesticide incidents) you may call 1-877-315-9819 or outside the US call 1-651-632-6184.	

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

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeve shirt
- Long pants and
- Shoes and socks

User Safety Requirements

- 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.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

PHYSICAL AND CHEMICAL HAZARDS

Do not apply this product in, on or around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

SHAKE WELL BEFORE EACH USE

FOR INDOOR USE ONLY

VBC₃ is the next generation insecticide which effectively kills Bed Bugs in both residential and commercial buildings and structures. **VBC₃**'s patent pending technology provides residual control for up to four weeks after application and is scientifically formulated to target [pyrethroid wild and or field] **resistant** as well as susceptible **Bed Bug strains**. **VBC₃** also kills **Bed Bug Nymphs and Eggs** by

contact This product must be diluted with water and applied according to the mixing instructions [directions] below Apply **VBC₃** as an indoor crack and crevice or direct spray application [according to application instructions] in non-food areas including but not limited to hotels shelters modes of transportation restaurants schools nursing homes warehouses offices apartments motels kennels and hospitals **VBC₃** is an easy to use water-dilutable concentrate for application with hand-held backpack or with a paintbrush This product will not stain water-safe fabrics or surfaces however care should be taken to test an inconspicuous area for staining prior to use

TO KILL BED BUGS (Adults, Nymphs and Eggs) For best results vacuuming surfaces is recommended prior to treatment Spray bed bugs and eggs directly wherever possible Apply as a pinstream coarse spray or low pressure spray for crack and crevice carpet perimeter and direct spray applications in and around non-food areas where bed bugs and their eggs may hide or harbor For example on and around baseboards floorboards millwork bed frames headboards wall hangings furniture door and window frames walls closets window treatments beneath floor coverings as well as other non-washable items that may come in contact with bed bugs such as luggage shoes and backpacks If treating a pet's living environment spray on and around pet beds bedding floors sleeping areas and furnishings This product can also be applied with a paintbrush to walls baseboards floorboards behind wall hangings and other similar areas

MATTRESS-APPLICATION **VBC₃** can be directly applied to mattress and box springs surfaces For porous surfaces such as mattresses and carpet perimeter areas apply until thoroughly damp but not wet Infested bed linens should not be treated These should be removed tightly sealed in a plastic bag laundered and dried at high temperatures prior to re-use Vacuuming surfaces prior to treatment is highly recommended Using pinstream coarse or low pressure equipment spray directly to mattress surface paying special attention to seams folds tufts and edges as well as bed frames and box springs where bed bugs harbor Re-make bed with clean linens prior to reuse

USE RESTRICTIONS

- THIS PRODUCT IS NOT FOR USE ON HUMANS OR ANIMALS
- Do not spray product directly on pets
- Not for broadcast use
- Do not use in commercial food/feed processing preparation food/feed storage or serving areas
- In the home all food/feed processing surfaces and utensils should be covered during treatment or thoroughly washed before use Cover or remove exposed food/feed
- Remove pets birds and cover fish aquariums before spraying
- This product will not stain water-safe fabrics and surfaces however care should be taken to test an inconspicuous area for staining prior to use
- DO NOT allow adults children or pets to enter treated area until sprays are dry
- DO NOT apply to plants or crops
- DO NOT treat areas when occupants are present
- DO NOT apply as a space spray
- DO NOT wet articles to the point of runoff or drip
- DO NOT use treated articles until spray has dried

MIXING INSTRUCTIONS

VBC₃ is conveniently packaged in a single unit dose so there is no measuring required Mix entire contents [13 fl ounces] in 1 gallon of water to treat 1000 square feet

To prepare the diluted spray fill the sprayer tank with half the total water to be used add the **VBC₃** then add the remaining water to the spray tank to achieve the final application volume Close the spray tank and shake thoroughly to insure proper suspension For optimal results solution should be used within 24

hours of being prepared. Spray tank solution should be shaken prior to each use or if application is interrupted. Diluted mixture may be stored overnight.

NOTICE This product may be tank-mixed with other insecticides. 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 water 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE Store product in its original container. Store in a cool, dry place and avoid excess heat. Keep container tightly closed when not in use. Keep product from freezing. Diluted mixture may be stored overnight.

PESTICIDE DISPOSAL Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In case of spill or leak on floor or paved surfaces, absorb with sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area until proper disposal can be made.

PESTICIDE DISPOSAL AND CONTAINER HANDLING Non-refillable container. Do not reuse or refill this container. Clean container 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 water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat 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.

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable, THEN DO NOT USE THE PRODUCT.

RISKS OF USING THIS PRODUCT The Buyer and User (referred to collectively herein as Buyer) of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, lack of control of the target pests, resistance of the target pest to this product, injury caused by drift. Such risks of non-performance, resistance, or other unintended consequences are unavoidable and may result because of such factors as presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices, or the manner of use or application (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may impact the effectiveness of this product. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product, Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER. Valent shall not be responsible for losses or damages (including, but not limited to, incidental, consequential, or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label under average use conditions when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE VALENT MAKES NO OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

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PROMPT NOTICE OF CLAIM To the extent consistent with applicable law allowing such requirements, Valent must be provided Product Name/Label Number/Page # notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of application, so that an immediate inspection of the affected property can be made. To the extent consistent with applicable law, if Buyer does not notify Valent of any claims in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

[Manufactured For]
Valent BioSciences Corporation
Environmental Science Division
870 Technology Way
Libertyville, IL 60048
1-877-315-9819

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VBC₃ is a trademark of Valent BioSciences Corporation.]

[] Denotes alternate text in addition to any sub-set of the directions for use.