

499-497

03/10/2005

Form Approved. OMB No. 2070-0060

1/7

Please read instructions on reverse before completing form.



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 499-497	2. EPA Product Manager Daniek C. Kenney	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Whitmire Micro-Gen TC 232	PM# 4A	
5. Name and Address of Applicant (Include ZIP Code) Whitmire Micro-Gen Research Labs, Inc 3568 Tree Court Industrial Blvd St. Louis, MO 63122-6682 <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. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  <b>MAR 10 2005</b>
<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.)

"Notification of a botanical insecticide" claim per Sec II.K.2 of PR Notice 98-10."

"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."

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/>		
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input 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 H. Wayne Moran	Title Dir., Reg. and R&D	Telephone No. (Include Area Code) 636-861-4218	
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 or both under applicable law.			6. Date Application Received (Stamped) . . . . . . . . . . . .
2. Signature 	3. Title Dir., Reg. and R&D		
4. Typed Name H. Wayne Moran	5. Date Jan. 31, 2005		

WHITMIRE MICRO-GEN

**TC 232**

CONTACT INSECTICIDE

**NOTIFICATION****MAR 10 2005****KILLS ON CONTACT:**

Ants, Boxelder Bugs, Carpenter Bees, Centipedes, Chocolate Moths, Clover Mites, Cluster Flies, Cockroaches, Crickets, Dermestids, Drug Store Beetles, Earwigs, Elmleaf Beetles, Fleas, Flour Beetles, Grain Weevils, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, Springtails, Termites\* (Drywood), Ticks, Trogoderma (Cabinet, Khapra, and Warehouse Beetles) and Wood Infesting Borers and Beetles.

\* Not a substitute for mechanical alteration, soil or foundation treatment.

**ACTIVE INGREDIENT:**

d-Limonene, a botanical insecticide ..... 10.0%

**OTHER INGREDIENTS:** ..... 90.0%

Contains petroleum distillate. TOTAL: 100.0%

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

**FIRST AID**

**IF ON SKIN OR CLOTHING:** 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-3320 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

See side panel for additional Precautionary Statements.

EPA Reg. No. 499-497 • EPA Reg. No. 499-MO-1

**NET WEIGHT: 1 lb., 4 oz. (20 oz.)**

[Alternate Language: NET WEIGHT: 1 lb., 1.5 oz. (17.5 oz.)]



**WHITMIRE MICRO-GEN**  
**RESEARCH LABORATORIES, INC.**  
800-777-8570

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

Contains petroleum distillate. Harmful if on skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

**Flammable.** Contents under pressure. Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

**GENERAL USE RESTRICTIONS**

Do not remain in treated area and ventilate the area after treatment is completed.

Do not contaminate water, food, or foodstuffs. Remove all pets and birds. Cover fish tanks or remove before spraying.

Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard. Do not spray directly into any electronic equipment such as radios, televisions, computers, etc.

Do not spray on plastic (including but not limited to vinyl), painted, or varnished surfaces.

Product should only be used when can temperature is above 60° F. If can temperature is below 60° F, store at room temperature until a temperature above 60° F is reached.

**HOW TO USE WHITMIRE MICRO-GEN CRACK AND CREVICE® INJECTION SYSTEM**

TC 232 works best on contact. Contact as many insects as possible when making a Crack and Crevice or spot application.

**CRACK & CREVICE® TREATMENT:** Use TC 232 only with the supplied actuators and injection tubes or Whitmire Micro-Gen System Equipment™ (including System III® and System VII®). Inject TC 232 into cracks and crevices or void spaces where insects may be living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approximately one second of product. For light infestations, move injector tip along cracks while treating at the rate of three linear feet per second. For heavy infestations, move injector tip along at one linear foot per second. For closed voids, calculate the void's cubic area and treat at the rate of one to five seconds per three cubic feet. Several holes may be required in long-running voids. Reapply as needed.

**SPOT TREATMENT:** Spot treatment applications may only be made outdoors, in commercial kitchens, garages, attics or unfinished basement areas. Use TC 232 only with the supplied actuators and injection tubes or Whitmire Micro-Gen System Equipment (including System III and System VII). Hold container upright while spraying. Direct nozzle approximately 12 inches from surface to be treated. Apply directly on insects in these locations when possible. Reapply as needed.

**INDOOR TREATMENTS**

**FOR USE IN THE FOLLOWING INDOOR SITES:** Apartments†, Food Storage Areas, Homes†, Hospitals††, Hotels, Meat Packing and Food Processing Plants†, Motels, Nursing Homes††, Resorts, Restaurants and other Food Handling Establishments†, Schools†††, Supermarkets†, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks), Utilities, Warehouses, and other Commercial and Industrial Buildings.

† Exposed food in the treatment area must be covered or removed.

†† Remove patients before using. After treatment, ventilate rooms for 30 minutes before returning patients to rooms.

††† Do not apply to classrooms when in use. Do not apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.

**CRAWLING INSECTS - COCKROACHES, DERMESTIDS, SPIDERS, EARWIGS, CRICKETS, SOWBUGS, MILLIPEDES, CENTIPEDES:** Apply as a Crack and Crevice treatment using the prescribed dosage into cracks, crevices and void spaces where insects may be harboring. These may include, but are not limited to, openings around pipes and sinks, under refrigerators, behind baseboards, washing machines, stoves, cabinets, sewers, floor drains and meter boxes. Reapply as needed.

**TICKS:** Apply as a Crack and Crevice treatment into infested and egg laying sites near pet resting areas including, but not limited to, cracks and crevices of baseboards and around door and window frames.

**FLEAS:** Hold container tilted down away from your face and, with a sweeping side-to-side motion, kill adult fleas hidden in dog and cat bedding and under furniture. Before spraying, test an inconspicuous corner of fabric for staining. Reapply as needed.

**ANTS:** Apply as a Crack and Crevice treatment into cracks, crevices and voids where ants may be traveling and/or harboring, including, but not limited to, around doors, window frames, wall voids and other structural cracks and crevices. Reapply as needed.

**GRAIN WEEVILS, FLOUR BEETLES, CHOCOLATE MOTHS, DRUGSTORE BEETLES, TROGODERMAS (IN EXPOSED ADULT AND LARVAL STAGES) AND HIBERNATING STAGES OF BOXELDER BUGS, ELMLEAF BEETLES, CLUSTER FLIES AND CLOVER MITES:** Apply as a Crack and Crevice treatment into cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas may include, but are not limited to, cracks and crevices in cabinets and pantries, wall voids, around window and door frames, under siding and in machinery. Reapply as needed.

#### APPLICATIONS IN FOOD HANDLING ESTABLISHMENTS

Food handling establishments are places other than private residences in which food is held, processed, prepared or served.

**FOR USE IN THE FOLLOWING FOOD HANDLING SITES:** Food Storage Areas, Meat Packing and Food Processing Plants, Restaurants and other Food Handling Establishments. (NOTE: Exposed food must be covered or removed.)

**FOOD AREAS:** Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) are also considered food areas. Apply as a Crack and Crevice Treatment or Spot Treatment (in kitchen area only) directly into cracks, crevices, voids or onto surfaces where insects are resting. Use only with the supplied actuators and injection tubes or Whitmire Micro-Gen System Equipment (including System III and System VII). Apply to different elements of construction; between equipment and floor; openings leading to hollow spaces in walls, equipment legs and bases; and where insects hide or rest. Do not apply directly to food. Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. When using this product, apply only when plant is not in operation. Repeat treatment as necessary.

**NON-FOOD AREAS:** Includes areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling). Apply as a Crack & Crevice Treatment to selective surfaces such as baseboards, under elements of construction, into cracks and crevices. Refer to INDOOR TREATMENTS section for directions for treatment of specific pests. Reapply as needed.

#### INDOOR AND OUTDOOR TREATMENTS

**FOR USE IN AND AROUND:** Apartments<sup>†</sup>, Campgrounds, Homes<sup>†</sup>, Hospitals<sup>††</sup>, Hotels, Motels, Nursing Homes<sup>††</sup>, Resorts, Schools<sup>†††</sup>, Supermarket<sup>†</sup>, Utilities, Warehouses, and other Commercial and Industrial Buildings.

<sup>†</sup> Exposed food in the treatment area must be covered or removed.

<sup>††</sup> Remove patients before using. After treatment, ventilate rooms for 30 minutes before returning patients to rooms.

††† Do not apply to classrooms when in use. Do not apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.

**WOOD DESTROYING INSECTS - Localized treatment of wood-infesting insects:** To treat Borers, Carpenter Bees, Drywood Termites and Wood Wasps, locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, galleries and inaccessible closed voids. Drill holes 8 to 10 inches apart to ensure thorough coverage. Inject 5 to 10 seconds per hole. Insects need to be contacted. Reapply as needed. Do not contact electrical wiring, plumbing, etc. when drilling and never use metal wood injectors where electrical shock could occur. Use a Whitmire Micro-Gen standard plastic void injector if there is danger of electrical contact. For carpenter bees, seal bee entrances after application. This treatment is intended for localized Drywood termite infestations only. The purpose of such applications of TC 232 is to kill workers or winged reproductive forms which may be present in the treated channels at the time of treatment. Such applications are not a substitute for mechanical alteration, soil treatment, or foundation treatment but are merely a supplement. For active termite infestations, get a professional inspection.

**FOR ACTIVE AND HIBERNATING STAGES OF BOXELDER BUGS, ELMLEAF BEETLES, CLUSTER FLIES AND CLOVER MITES:** Apply as a Crack and Crevice treatment into cracks and crevices and/or voids where these insects may be harboring or hibernating. Infested areas may include, but are not limited to, cracks and crevices, behind siding, wall voids, around window and door frames. Reapply as needed.

### OUTDOOR TREATMENTS

**FOR USE AROUND THE FOLLOWING SITES:** Apartments, Campgrounds, Homes, Hospitals, Hotels, Motels, Nursing Homes, Resorts, Schools, Supermarkets, Utilities, Warehouses, and other Commercial and Industrial Buildings.

**ANTS – ARGENTINE, CORNFIELD, HARVESTER, ODOROUS HOUSE and PAVEMENT:** Inject the nest at 3-6 sites at a rate of 5-10 seconds per site. For very large nests (over 36" diameter), increase the number of injection sites. Space injection sites in a circular pattern on the nest surface with one site in the center. To quiet active ants on nest surface, sweep surface with spray from a distance of 12 inches. For best results, apply when temperature is 65-85°F, or in early morning or late evening hours. Reapply as needed and treat new nests as they appear.

**PERIMETER TREATMENT:** For crawling insects, apply TC 232 as a Crack and Crevice or Spot Treatment into cracks and crevices where insects may be entering premises or harboring. Areas to be treated may include, but are not limited to, weep holes, under siding, wall voids, soffits, around attic vents, cracks and crevices and openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted. Repeat treatment as necessary.

**TREATMENT FOR IN-GROUND SERVICE BOXES:** Ants, Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, Springtails. Use Whitmire Micro-Gen spray actuator with injection tube to treat open boxes and exposed surfaces. Reapply as needed. Do not contact any electrical wiring or mechanical parts of meter.

### STORAGE & DISPOSAL

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

**STORAGE:** Store in a cool dry area away from heat or open flame and inaccessible to children.

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

**CONTAINER DISPOSAL:** This container may be recycled in aerosol recycling centers. At present, there are only a few such centers in the country. Before offering for recycling, empty the can by using the product according to the label (DO NOT PUNCTURE!). If recycling is not available, replace cap and discard container in trash, sanitary landfill or by other approved state and local procedures. Do not incinerate or puncture.

Contains no CFCs or other ozone depleting substances.  
Federal regulations prohibit CFC propellants in aerosols.



**A PRESCRIPTION TREATMENT® brand Insecticide from:**  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682  
[www.wmmg.com](http://www.wmmg.com)  
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**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.

January 31, 2005

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U. S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1801 S. Bell Street  
Arlington, VA 22202

RE: NOTIFICATION to add "a botanical insecticide" as a descriptor to Active Ingredient  
In compliance with PRN 98-10, Sec II. K, 2  
Whitmire Micro-Gen TC 232; EPA Reg. No. 499-497

**NOTIFICATION**

**MAR 10 2005**

Dear Sir / Madam:

Enclosed in support of this action is a completed application and one copy of the revised labeling for the referenced product. The descriptor "a botanical insecticide" has been added to the Active Ingredient statement as allowed by PRN 98-10, Section II, K, 2.

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.

Also enclosed is a self-addressed, "No-Postage Necessary" postcard that, when filled out, will indicate the status of this notification. Please take a moment to fill in the appropriate information and drop it in the mail for our records. Your assistance in this regard is certainly appreciated.

Thank you for your assistance in this matter. Please don't hesitate to contact me at (636) 861-4218 or via electronic mail at [wayne.moran@wmmg.com](mailto:wayne.moran@wmmg.com) should you have any questions or require additional information concerning this action.

Sincerely,

Whitmire Micro-Gen Research Laboratories, Inc.

H. Wayne Moran  
Director, Regulatory and Research & Development