

499-497

11/29/2004

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

499-497

Date of Issuance:

NOV 29 2004

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Whitmire Micro-Gen  
TC 232

Name and Address of Registrant (include ZIP Code):

Whitmire Micro-Gen Research Laboratories Inc  
3568 Tree Court Industrial Blvd.  
St. Louis, MO 63122-6682

**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 that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 499-497".
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Daniel C. Kenny, Product Manager (01)  
Insecticide-Rodenticide Branch, Registration Division (7505C)

Date:

NOV 29 2004

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Daniel C. Kenny  
Product Manager (01)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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WHITMIRE MICRO-GEN

**TC 232**

CONTACT INSECTICIDE

**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 ..... 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-UOT • 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

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**NOV 29 2004**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.**

**499-497**

**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:** Apartmentst, Food Storage Areas, Homest, Hospitalstt, Hotels, Meat Packing and Food Processing Plantst, Motels, Nursing Homestt, Resorts, Restaurants and other Food Handling Establishments†, Schoolsttt, Supermarketst, 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.

tt 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:** Apartmentst, Campgrounds, Homes†, Hospitalst††, Hotels, Motels, Nursing Homes††, Resorts, Schoolst†††, Supermarketst, 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.

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††† 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.



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**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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