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Mr. Michael W. Melichar  
DowElanco  
Quad IV--9002 Purdue Road  
Indianapolis, Indiana 46268-1189

Subject: Revised Labeling  
Dursban ME04 Microencapsulated Insecticide  
EPA Registration Number 62719-89  
Your Application Dated September 23, 1991

Dear Mr. Melichar:

The labeling 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.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

# Dursban\* ME04

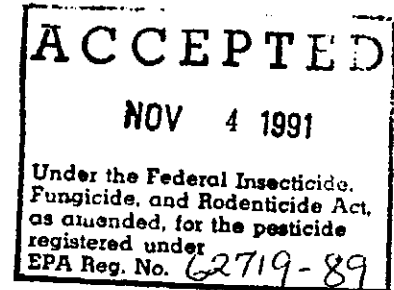
## Microencapsulated Insecticide

Controls Numerous Pests In and Around Households and Other Structures

Active Ingredient (s):

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate..... 0.4%  
Inert Ingredients..... 99.6%

E.P.A. Registration No. 62719-89  
E.P.A. Est. No. \_\_\_\_\_ (subregistrant)



Keep Out Of Reach Of Children

### CAUTION

#### Precautionary Statements

Hazards to Humans and Domestic Animals

May Be Harmful If Swallowed • Harmful If Absorbed Through Skin

Do not get in eyes, on skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies

#### First Aid

**If Swallowed:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.

**If On Skin:** Wash with plenty of soap and water. Get medical attention if irritation develops.

**If In Eyes:** Flush with plenty of water for 5 minutes. Get medical attention if irritation persists.

**If Inhaled:** Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

**Note to Physician:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection is the preferable antidote. Oximes, such as 2-PAM may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

#### Environmental Hazards

This pesticide is toxic to birds and wildlife. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters.

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## **DIRECTION FOR USE**

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

### **General Information**

Dursban ME04 insecticide is a flowable microencapsulated product designed for use as a residual spray to control various pests in and around residential and non-residential structures. Dursban ME04 may be sprayed on any surface which will not be damaged or stained by water. A visible deposit may appear on some hard surfaces. This deposit can be easily removed with a cloth or damp sponge.

Do not apply this product to conduits, motor housings, junction and switch boxes, or other electrical equipment because of possible shock hazard.

**Attention:** Do not allow spray to contact food or food-contacting surfaces, feedstuffs, or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Remove pets and cover fish bowls (tanks) before spraying. Do not use in fogging equipment to apply the product indoors. Do not allow adults, children or pets on treated areas until spray has dried. Keep out of fish pools or other bodies of water. Do not treat vegetable gardens. Do not use in poultry houses.

### **General Pest Control Indoors**

Directions for Use: Dursban ME04 may be applied within residential and non-residential buildings or structures and within nonfood areas of industrial, institutional, and commercial buildings, including hospitals, stores, manufacturing plants, and warehouses. Apply as a localized spray to areas where insects are found or normally occur. Such areas include but are not limited to dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind sinks, stoves, refrigerators, and cabinets, and around plumbing and other utility installations. A period of 4 to 7 days is normally required to observe maximum effectiveness on insect populations; therefore, limit retreatment to no more often than once per every 7 days. Apply spray solution in such a manner as to minimize spray contact with non-target surfaces.

### **Indoor Pests Controlled With Dursban ME04:**

Ants (1)  
Brown dog tick (2)  
Carpet beetles (3)  
Centipedes  
Clover mites  
Cockroaches (Such as: American, Brownbanded, German, Oriental, Smokey brown, Asian) (4)  
Crickets  
Earwigs  
Firebrats  
Fleas (5)  
Flour Beetles (Confused, Red, Saw-toothed)  
Indian meal moths  
Mediterranean flour moths  
Millipedes  
Rice weevils  
Silverfish  
Sowbugs  
Spiders

†Numbers in parentheses refer to Specific Directions

### Specific Indoor Directions

- 1) **Ants** may be controlled by treating ant trails and wherever else these pests may find entrance. For example, around doors and windows.
- 2) **Brown dog ticks** may be controlled by applying spray to infested areas, nearby cracks and crevices and along baseboards, windows and door frames where these pests may be present. For best results, old bedding should be cleaned or replaced. **Do not treat pets or their bedding with this product.**
- 3) **Carpet beetles** may be controlled by thoroughly applying the spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs and furniture; in closets and on shelving. Spots are defined as areas not to exceed two square feet. Two spots cannot be connected.
- 4) **Cockroaches** are best controlled by making crack and crevice or spot treatment. Treat where insects are found or normally occur including, but not limited to dark corners of rooms and closets: floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, refrigerator units, and around plumbing and other utility installations. Crack and crevice treatments are applied by delivering a pin stream or small amounts of solutions directly into cracks or voids. Spot treatments are defined as areas not to exceed two square feet. Two spots cannot be connected. Limit spot application to less than 20% of the lower wall and floor surface.
- 5) **Fleas** are best controlled by a total management program. It is suggested that infested areas be thoroughly vacuumed prior to treatment. These areas include all carpet, upholstered furniture, baseboards and other indoor areas frequented by pets. The vacuum cleaner bag should be discarded in an outdoor trash container. Pet bedding should be cleaned or replaced. Other than the applicator, premises should be vacated during application. Cover aquaria and fish bowls and remove other pets. **Do not permit humans or pets to contact treated areas until spray has thoroughly dried.**

Treatments are limited to spot applications. Individual spots are not to exceed 2 square feet. Two spots may not be connected. 1 gallon of spray will cover 1,600 square feet. Adjust the application rate to provide uniform coverage without soaking the treated areas. If fleas reappear in about 1-2 weeks after treatment it is probably because they have hatched from their pupal (cocoon) state. If this occurs, either repeat treatment or allow the product's time-release microcapsules another week to kill newly emerged fleas. **Do not treat pets with this product.**

Effective flea control includes controlling the source of flea infestations. This can require treatment of pets with a product registered for flea control and treating outside areas frequented by pets. Dursban ME04 can also be applied out-of-doors for flea control.

### General Pest Control Outdoors

Use Dursban ME04 to control outdoor pests listed in accompanying table by application as either a perimeter treatment or as a localized spray.

Perimeter treatments help prevent infestation of building. When making perimeter treatments, apply Dursban ME04 where pests are active or may find entrance. For example, treat a band of soil 6 to 10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of about 1 gallon of spray per 100 sq. ft. Thoroughly and uniformly wet the band area.

Localized sprays provide control of insect pests on outside surfaces of buildings and other outdoor areas where pests congregate. Treat by applying the dilution directly to target areas such as cracks and crevices; along sidewalks or patios; windows and door frames; or other areas where pests may be present.

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**Outdoor Pests Controlled by Dursban ME04:**

Ants  
Bees  
Beetles  
Carpenter ants  
Carpenter bees  
Clover mites  
Cockroaches  
Crickets  
Earwigs  
Fleas  
Flies  
Hornets  
Millipedes  
Mosquitoes  
Scorpions (1)  
Silverfish  
Sowbugs  
Spiders  
Ticks  
Wasps  
Yellowjackets

(1) For Scorpions remove accumulations of lumber, firewood, and other materials which serve as harborage sites. Before stacking firewood or lumber, apply Dursban ME04 to surfaces immediately below such materials. Perimeter treatments may also be helpful in reducing pests immigrating from surrounding areas.

**STORAGE AND DISPOSAL**

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

**Storage:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32 F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**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:** Do not reuse empty container. Wrap empty container in heavy paper, i.e. newspaper, and place in trash.

**WARRANTY INFORMATION**

(Subregistrant may include appropriate statements to address Warranty Disclaimer, Inherent Risks of Use or Limitation of Remedies pertaining to use of this product.)

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09/16/91

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