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464-630

11/04/1988

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 464-630	DATE OF ISSUANCE November 4, 1988
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT Durshan ME04 Microencapsulated Insecticide	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Dow Chemical U.S.A. P.O. Box 1706 Midland, MI 48640-1706		
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p> <p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 464-630." b. Please include the following statement after "Disposal of wastes" under the Environmental Hazards heading: Do not contaminate water when disposing of equipment washwaters. 3. A 1-year storage stability study for this product must be submitted within 15 months from the date of this Registration notice. 		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE 11/4/88

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

Specimen Label

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%

ACCEPTED
with COMMENTS
in EPA letter Dated:

E.P.A. Registration No. 464-???
E.P.A. Est. 11715-TN-1, 464-MI-1

NOV 4 1988

KEEP OUT OF REACH OF CHILDREN

CAUTION

AVISO: PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

464-630

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

STATEMENT OF PRACTICAL TREATMENT:

- * **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/protopam, 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.

NOTICE

Read and understand the entire label before using. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **Do Not Ship or Store with Food, Feeds, Drugs, or Clothing**

Before buying or using this product, read "**WARRANTY LIMITATIONS AND DISCLAIMER**" elsewhere on this label. If terms are not acceptable, return **unopened** package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under **WARRANTY LIMITATIONS AND DISCLAIMER**.

IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

GENERAL INFORMATION

DURSBAN ME04 insecticide is a flowable microencapsulated concentrate 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 dark 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 fishpools 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 retreatments to not more often than once per every 7 days. Apply spray in such a manner as to minimize spray contact with non-target surfaces.

Indoor Pests Controlled With DURSBAN ME04*

- Ants(1)
- Brown dog ticks(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 Use 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, such as pet beds and resting quarters; nearby cracks and crevices; along baseboards, windows and door frames, where these pests may be present. For best results, old bedding should be removed or replaced with clean, fresh bedding after treatment. **Do not treat pets with this product.**
- 3) **Carpenter 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 to areas not to exceed two square feet and two spots cannot be connected.
- 4) **Cockroaches** are best controlled by making crack and crevice or spot treatments. 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 cabinets; and around plumbing and other utility installations. Crack and crevice treatments are applied by delivering a pin stream or small amounts of solution directly into cracks or voids. Spot treatments are defined as areas not to exceed two square feet. Two spots cannot be connected. Limit spot applications 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.**

Indoor flea control is achieved by thorough coverage and deep carpet penetration. A rate of 1 gallon of spray per 1,600 square feet may be applied; however, the application rate should be adjusted to provide uniform coverage without soaking the treated areas. Entire carpets may be treated. If fleas reappear in about 1-2 weeks after treatment it is probably because they have hatched from their pupal (cocoon) stage. 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. DURSIBAN ME04 can also be applied out-of-doors for flea control.

General Pest Control Outdoors

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

Perimeter treatments help prevent infestation of buildings. 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.

Outdoor Pests Controlled by DURSBAN ME04*

- Ants
- Bees
- Beetles
- Carpenter ant
- Carpenter bees
- Clover mites
- Cockroaches
- Crickets
- Earwigs
- Fleas
- Flies
- Hornets
- Millipedes
- Mosquitoes
- Scorpions*
- Silverfish
- Sowbugs Spiders
- Ticks
- Wasps
- Yellowjackets

* 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. Band 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 LIMITATIONS AND DISCLAIMER

The Dow Chemical Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions therein under normal conditions of use. **THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL.** Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller. When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Dow Chemical Company of any claims to be eligible to receive either remedy given below. **The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY** of The Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company: (1) **Refund of purchase price** paid by buyer or user for product bought, or (2) **Replacement** of amount of product used. The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

RQ/CHLORPYRIFOS MIXTURE NA2783 ORM A IN A RECTANGLE DOW DIAMOND*

THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.

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