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CIBA-GEIGY

D·z·n® 2.0 MEC Insecticide

For use by pest control operators and formulators,

For control of cockroaches, ants, silverfish, ticks, fleas,
pantry and other household pests.

Active Ingredient:

| | |
|---|---------------|
| Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate | 23.8% |
| Inert Ingredients: | 76.2% |
| Total: | <u>100.0%</u> |

Contains 2 lbs. of diazinon per gallon

 Gallons
U. S. Standard Measure

Keep Out of Reach of Children

Danger

See additional precautionary statements
on back panel.

Control No. _____

See directions for use on panel at right.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 28 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-1249

General Information

D·z·n 2.0 MEC is a microemulsion concentrate containing 2 lbs. of diazinon per gallon.

It is intended for use by pest control operators after dilution with water for the control of those insects specified on this label.

D·z·n 2.0 MEC may also be used for formulation of registered end use products.

Note: Care should be taken to avoid spotting of walls, or wall coverings, and fabrics. When used in dwellings, care should be taken to avoid deposits which could be frequently contacted by children. Do not allow children or pets in treated areas until surfaces are dry. Do not contaminate food, food containers, or cooking utensils. Avoid excessive application to carpets. Do not use on plants or pets.

Directions for Use

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

Household Insects

Dilute D·z·n 2.0 MEC with water to make a 1/2% or 1% spray and apply as indicated below:

| <u>Gals of Finished Spray</u> | <u>Amount D·z·n 2.0 MEC to use for</u> | |
|---------------------------------------|--|----------------------|
| | <u>1/2% Spray</u> | <u>1% Spray</u> |
| 1 | 2 1/2 fl. oz.* | 5 fl. oz. |
| 2 | 5 fl. oz. | 10 fl. oz. |
| 3 | 7 1/2 fl. oz. | 15 fl. oz. |
| 10 | 25 fl. oz. | 50 fl. oz. |
| 25 | 64 fl. oz. (2 qt.) | 128 fl. oz. (1 gal.) |

*5 tablespoons = 2 1/2 fl. oz.

Cockroaches (Waterbugs), Ants, Silverfish: Make spot applications of 1/2% coarse spray or apply with a paintbrush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1%, followed by monthly applications of 1/2%-1% spray.

Carpet beetles: Apply a 1/2% spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

Spiders and Scorpions: Apply a 1/2% spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

Pantry Pests--Exposed Stages (Sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, Indian meal moth): Apply a 1/2% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

Brown dog ticks, fleas*: Make thorough application of a 1/2-1% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this product. Avoid excessive wetting of floor coverings, rugs or unfinished materials, as damage may occur. Do not apply directly to upholstery. Do not use as an overall surface spray.

Feed and food handling establishments: Apply D·z·n 2.0 MEC as a dilute spray as either a spot or crack and crevice treatment as directed below. Limit spot treatment to floor surfaces where pests have been seen or where they are suspected of hiding. Limit individual spot treatments to an area no larger than 20 percent of the floor and wall surface. Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or food contact surfaces or introducing the material into the air.

Food and nonfood areas: Spot treatment - As a spot treatment, apply 1/2-1% as a coarse, low pressure fan spray to floor surface areas around water pipes, beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar areas where cockroaches, ants, spiders, and silverfish hide.

Crack and crevice treatment - As a crack and crevice treatment, use equipment capable of delivering a pin stream of insecticide and apply 1/2-1% spray directly into such spaces as expansion joints between different elements of construction and between equipment bases and the floor, wall boards or in hollow equipment legs.

*Controls adult fleas on areas treated.

These treatments also aid in the control of pantry pests (exposed stages of sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, and Indian meal moth) which come into contact with treated surfaces. Do not use this product in conduits, motor housings, and electrical switch boxes. Repeat applications as necessary.

Microemulsion Formulations Based on D-z'n 2.0 MEC

D-z'n 2.0 MEC is recommended for use in formulating dilute, ready-to-use microemulsion products. Formulators should contact the Specialty Products Sales Department, Agricultural Division, CIBA-GEIGY Corporation, P. O. Box 18300, Greensboro, NC 27419, for information regarding such products.

• In the event of a major spill or accident, contact CIBA-GEIGY for assistance at (919) 292-7100 day or night.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide: Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed on site or at an approved waste disposal facility.

Container: Triple rinse or equivalent, and offer for recycling, reconditioning, or disposal in a sanitary landfill. Consult state or local disposal authorities for approved alternative procedures such as limited open burning.

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Wear goggles or face shield when handling and mixing. Do not get in eyes or on skin or clothing. Avoid breathing of vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Remove contaminated clothing and wash before reuse.

Animal studies have indicated the product to be contact allergenic. Hypersensitive individuals should avoid exposure. Avoid contamination of food and feeds. Do not use on humans, household pets or livestock. Keep away from children and domestic animals.

Statement of Practical Treatment

If in eyes: Immediately flush with plenty of water.
Get medical attention promptly.

Continued ... 6

If swallowed: Contact a physician or Poison Control Center. DO NOT INDUCE VOMITING as vomiting may present aspiration hazard. Drink 1 or 2 glasses of water and get medical help. If no other treatment is available, induce vomiting only under medical supervision. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. If irritation develops or persists, get medical attention.

If inhaled: Move to fresh air and apply artificial respiration if indicated.

Note to Physician: This product contains a cholinesterase inhibitor. Gastric lavage is indicated. Do not induce emesis as solvent presents aspiration hazard. Atropine sulfate and 2-PAM are specific antidotes only if signs of cholinesterase inhibitions are present. After lavage, instill and leave 30 gm of activated charcoal in 3-4 oz. of water in the stomach.

Environmental Hazards

The product is toxic to fish and wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes.

Note to Formulators: Do not discharge into lakes, streams, ponds, or public waters unless in accordance with NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency.

D·z·n® trademark of CIBA-GEIGY for diazinon

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EPA Reg. No. 100- 672
EPA Est. _____

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, NC 27419
CGA 1L120

September 8, 1983
(Initial Draft)

P. [unclear]

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|---|---------------------------|--|
| U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (R11 367) WASHINGTON, D.C. 20460 | EPA REGISTRATION NO. | DATE OF ISSUANCE 28 MAR 1984 |
| | TERM OF ISSUANCE | |
| NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION <i>Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended.</i> | NAME OF PESTICIDE PRODUCT | |
| NAME AND ADDRESS OF REGISTRANT (Include ZIP code) | | |
| <p><i>166/117192</i> <i>18/1</i></p> <p>BEST DOCUMENT AVAILABLE</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. | | |
| 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. | | |
| A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. | | |
| 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. | | |
| <input type="checkbox"/> ATTACHMENT IS APPLICABLE | | |
| SIGNATURE OF APPROVING OFFICIAL | | DATE |

101-647

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iii) the section headed by "Microemulsion Formulations Based on D.P. 241-100,"

iv) the second paragraph in the environmental hazards headed by "Note to formulators."

e. Add the following use precaution to the label, "Remove or cover fish bowls and remove pets before spraying."

3. 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 sec. 6(3). Your release for shipment of the product constitutes acceptance of these conditions.

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

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosures

U.S. The EPA Accession Numbers assigned to the submitted are as follows:

Section A (Product Chemistry), dated September 28, 1983, EPA ACC. No. 251508
Section C (Acute Toxicity Studies), dated September 28, 1983 EPA Acc. No. 251509
Addendum to Product Chemistry, dated December 9, 1983 EPA ACC. No. 251970
Product Chemistry (Additional Data), dated March 6, 1984, EPA Acc. No. 252755

BEST DOCUMENT AVAILABLE

KD/IRB:DCR-05505:G.Larocca:pjb:raven:557-2276:KD-10:3/21/84:Del. 4/11/84