

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

5440-116

DATE OF ISSUANCE

JAN 22 1986

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Cardinal Vajo-5

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Cardinal Chemical Company
50 Francisco Street
San Francisco, CA 94133

161/155079
18/1

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or 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:

- Add the phrase "EPA Registration No. 5440-116."
- In the ENVIRONMENTAL HAZARDS block delete the words "Keep out of any body of water" and replace with "Do not add directly to water."
- The net contents should appear on the label.
- Revise STORAGE AND DISPOSAL Statement to read:

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate in a violation of Federal law. If these


ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

1/22/86

wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

- e. Delete "Or trained personnel" from front panel of the label.
- f. 
- g. Under the ingredient statement add the phrase "contains petroleum distillates."
- h. In the STATEMENT OF PRACTICAL TREATMENT paragraph add the statement "Because of aspiration potential do not induce vomiting unless under direct medical supervision." Delete "If possible, . . . medical supervision. Drink . . . throat with finger."

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 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.

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

Enclosures

CARDINAL
CHEMICAL
COMPANY



FIFTY FRANCISCO ST.
SAN FRANCISCO
CALIFORNIA 94133

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 22 1986

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

5440-116

EPA EST. 5440-CA-1

PROTECTING
THE FOODS
THAT FEED
THE NATION

CARDINAL VAPO

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Concentrate is poisonous if swallowed, inhaled or absorbed through skin or eyes. Do not get on skin or in eyes. Do not breathe fumes. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part 11.

ENVIRONMENTAL HAZARDS

Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Not for use or storage in or around the home.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Cardinal Vapo-5 is a specially formulated insecticide designed for use in the control of exposed stages of stored products insects infesting warehouses, silos and bulk bins containing non-perishable, packaged or bagged raw or processed food commodities, or bulk unprocessed raw food commodities. The term "non-perishable" means any raw or processed food not subject to rapid decay or deterioration that would render it unfit for consumption.

Raw Commodities would include: cocoa beans, dried fruit; field-dried beans, field-dried peas, grains and nuts. Not included are eggs, milk, meat, poultry, fresh fruit and vegetables and carrots. Processed foods would include: flour, sugar, cereals, packaged goods and crackers. Not included are hermetically sealed foods or manufactured dairy products and other processed foods requiring refrigeration.

A FOOD PROCESSOR
CONTAINING

ONLY FOR SALE TO,
BY PEST CONTROL
TRAINED PERSONNEL

ACTIVE INGREDIENTS:
2,2-dichlorovinyl dimethyl
Related Compounds
Petroleum Distillates.....
INERT INGREDIENTS:.....
TOTAL:

*Equivalent to 5% Vapona Insecticide

DANGER

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF FIRST AID

If swallowed - Call a physician immediately. If possible, vomit under medical supervision of water and induce vomiting with finger. Do not induce anything by mouth to an unconscious person.

If inhaled - Remove victim to fresh air. Give artificial respiration if indicated.

If on skin - Remove contaminated clothing. Wash affected areas with soap and water.

If in eyes - Flush eyes with water for at least 15 minutes. Call a physician immediately.

NOTE TO PHYSICIAN: Atropine. See further first aid instructions on product panel.

SEE SIDE PANEL FOR
PRECAUTIONARY STATEMENTS

EPA Reg.

USE AND APPLICATION DIRECTIONS:

For the control of the exposed stages and the prevention of migration of most species of stored products insects, granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, cigarette beetles, Indian-meal moths, mosquitoes, and cocoa bean moths in warehouse storage areas, and in food processing areas of flour and grain mills, bakeries, canning and bottling plants and brewery warehouses during times when the plant is not in operation and no food products are exposed. If bulk, unpackaged foods are exposed, remove or cover before spraying begins. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. When using the product in these areas apply only when the facility is not in operation. Use Cardinal 5% Vapona in a ULV type machine adjusted to deliver small particles. The rate of application should be between 1-2 grams of actual 5% Vapona per 1,000 cu. ft. or 1/2 to 1 oz. of liquid per 1,000 cu. ft. Check amount in insecticide tank, or auxiliary tank before and after treatment to assure proper dosage has been applied.

In bulk warehouses, silos and bulk bins containing non-perishable bulk unprocessed raw food commodities where covering or removal is not practical, use Cardinal Vapo-5 in a ULV-type machine adjusted to deliver small particles. Treat empty bulk warehouses, silos and bulk bins prior to filling with non-perishable bulk unprocessed raw food commodities. The rate of application should be between 1-2 grams of actual 5% Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Do not process the raw food commodity for a period of seven days after the last treatment of Cardinal Vapo-5.

Treatment should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application of the insecticide. Lock all entrances and do not allow unprotected workers to enter buildings while being treated. Place Caution Signs at all entrances stating: "This building should be opened and aired prior to re-entry of unprotected workers or remain unoccupied by unprotected workers for at least 6 hours after treatment. Do not enter prior to _____ o'clock (date) _____ without protection." Repeat treatment at weekly intervals during season of peak insect activity for optimum results.

FOR USE AS A CONTACT SPRAY: Dilute to 1% and spray 1 pint per 10,000 sq. ft. of floor space.

Do not use in edible product areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

SPACE AND CONTACT SPRAY: Dilute to 1-3% and apply at the rate of 1 gallon of spray per 64,000 cubic feet to kill roaches, mosquitoes, silverfish, fleas, waterbugs, earwigs, stored products insects and spiders in sheltered situations. Adjust a ULV spraying device to a coarse spray for control of the above listed insects. Contact as many of the insects with the spray as possible. Thoroughly spray all parts of the silo or bulk bin suspected of harboring these insects. Special attention should be paid to cracks, hidden surfaces under equipment and food storage area. Then adjust the ULV device to deliver a fine spray for use as a space spray. Sweep up and destroy dead insects. Repeat treatment as necessary.

STATEMENT OF PRACTICAL TREATMENT -Continued

Antidote and First Aid Treatment:

ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN:

SYMPTOMS: Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.

TREATMENT: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours.

Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

WARRANTY STATEMENT: Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product is beyond the control of the manufacturer. No guarantee, expressed or implied, is made as to the effect of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.