

CARDINAL
CHEMICAL
COMPANY



FIFTY FRANCISCO ST.
SAN FRANCISCO
CALIFORNIA 94133

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 27 1986

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

5440-114

EPA EST. 5440-CA-

PROTECTING
THE FOODS
THAT FEED
THE NATION

CARDINAL 5% VAPONA

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.

5% Vapona Insecticide is a specially formulated insecticide designed for use in the control of exposed stages of stored products insects infesting warehouses containing non-perishable, packaged or bagged raw or processed food commodities as well as bulk grains and other bulk non-perishable raw agricultural commodities, animal feeds and tobacco. 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 include but are not limited to: cocoa beans, field-dried beans, field-dried peas, grains, either bagged or bulk, tobacco and nuts. Not included are: eggs, milk, meat, poultry, fresh fruits and vegetables such as onion, parsnips, potatoes 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.

ONLY FOR SALE TO, USE AND STORAGE BY PEST CONTROL OPERATORS OR TRAINED PERSONNEL

ACTIVE INGREDIENTS:

2,2-dichlorovinyl dimethyl phosphate*..... 4.65%
Related Compounds 0.35%
Petroleum Distillates 13.16%

INERT INGREDIENTS: 81.84%

TOTAL: 100.00%

*Equivalent to 5% Vapona Insecticide.

DANGER  **POISON**

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

If swallowed - Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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

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

If in eyes - Flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN: Atropine is the emergency antidote. See further first aid instructions on the right side panel.

**SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Reg. No. 5440-114

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, Indian meal-moths, saw-toothed grain beetles, cigarette beetles and coca bean moths in warehouse storage area, above bulk grain, food processing areas, flour and grain mills, other grain handling facilities, bakerie, , 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 processed foods are exposed, remove or cover before spraying begins. Food should be covered or removed during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before use. When using the product in these areas apply only when the facility is not in operation. Use Cardinal 5% Yapona in a ULV type machine adjusted to deliver small particles. The rate of application should be between 1-2 grams of actual 5% Yapona per 1,000 cu.ft. or 1/2 or 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.

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 SPRAY AND CONTACT SPRAY: Dilute to 1-3% and apply at the rate of 1 gallon of spray per 64,000 cu. ft. to kill roaches, mosquitoes, silverfish, fleas, waterbugs, earwigs 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 room suspected of harboring these insects. Special attention should be paid to cracks, hidden surfaces under equipment and food storage areas. 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, tightness 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.

CARDINAL 5% VAPONA

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.

5% Vapona Insecticide is a specially formulated insecticide designed for use in the control of exposed stages of stored products insects infesting warehouses containing non-perishable, packaged or bagged raw or processed food commodities as well as bulk grains and other bulk non-perishable raw agricultural commodities, animal feeds and tobacco. 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 include but are not limited to: cocoa beans, field-dried beans, field-dried peas, grains, either bagged or bulk, tobacco and nuts. Not included are: eggs, milk, meat, poultry, fresh fruits and vegetables such as onion, parsnips, potatoes 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.

ONLY FOR SALE TO, USE AND STORAGE BY PEST CONTROL OPERATORS OR TRAINED PERSONNEL

ACTIVE INGREDIENTS:

2,2-dichlorovinyl dimethyl phosphate*.....	4.65%
Related Compounds	0.35%
Petroleum Distillates.....	13.18%

INERT INGREDIENTS:	81.84%
TOTAL:	100.00%

*Equivalent to 5% Vapona Insecticide.

DANGER  **POISON**

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

If swallowed - Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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

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

If in eyes - Flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN: Atropine is the emergency antidote. See further first aid instructions on the right side panel.

**SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Reg. No. 5440-114

USE AND APPL
For the con
vention of
products if
confused fi
toothed gra
coca bean
bulk grain,
grain mills
bakeries, c
warehouses
operation a
bulk, unpac
move or cov
should be c
All food pr
during trea
us. When us
only when t
Use Cardina
adjusted to
application
5% Vapona p
liquid per
cide tank o
treatment t

Treatment
buildings a
should be c
during appl
entrances t
enter buildi
Signs at all
should be c
unprotecte
protected v
treatment. I
_____(date)
at weekly ii
activity for
FOR USE A
1 pint per 1
Do not use
plants, resi
commercial
serving are:

SPACE SPR
apply at the
cu. ft. to kill
flies, water
situations. A
coarse spra
sects. Cont
spray as per
the room su
Special atte
surfaces un
Then adjust
for use as a
Insects. Reg