

PM

13

2548-71

Page 1 of 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 14 1993

306544416d  
17/10

Mr. Carl Snider  
Director of Regulatory Compliance and Technical Services  
Research Products Company  
P.O. Box 1460  
Salina, KS 67402-1460

Dear Mr. Snider,

Subject: Revised Label  
Vapo-Cide®  
EPA Registration Number 2548-71  
Your Submission Dated June 28, 1993

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.

At the next label printing, make the following changes:

1. The words "Active Ingredients" and "Inert Ingredients" should be given equal prominence on the label.
2. As indicated in our letter of March 24, 1993, the Note to Physician and treatment instructions should appear on the front panel immediately following the Statement of Practical Treatment.

Sincerely,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

CONCURRENCES

SYMBOL							
SURNAME	DM						
DATE	7/13/93						

# VAPO-CIDE®

## FOR COMMERCIAL OR INDUSTRIAL USE ONLY

**FOR USE IN  
WAREHOUSES,  
RAILROAD CARS,  
STATIONARY TRUCKS,  
FLOUR MILLS, GRAIN  
MILLS, RICE MILLS,  
GRAIN HANDLING  
FACILITIES, AND OTHER  
FOOD PROCESSING  
PLANTS**

**ACTIVE INGREDIENTS:**

Dichlorvos (2, 2-dichlorovinyl dimethyl phosphate\*)  
..... 4.65%  
Related Compounds..... 0.35%

**INERT INGREDIENTS\*\***..... 95.00%  
**TOTAL**..... 100.00%

\* Equivalent to 5% DDVP Insecticide

\*\* Contains xylene range solvent

© Registered Trademark of Research Products Company, Div. of McShares, Inc.



**KEEP OUT OF REACH OF CHILDREN  
DANGER - POISON**



**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** DO NOT INDUCE VOMITING. Seek medical aid. Aspiration of product into lungs due to vomiting can cause chemical pneumonia which can be fatal. Emergency medical personnel should remove poison by gastric lavage. Treat convulsions and respiratory difficulty with artificial respiration and oxygen. Emergency medical personnel should administer antidote as indicated.

**IF INHALED:** Move victim to fresh air. Establish and maintain airway. Treat convulsions and respiratory difficulty with artificial respiration and oxygen. Emergency medical personnel should administer antidote as indicated.

**IF ON SKIN:** Immediately remove contaminated clothing and wash skin with soap and plenty of water. Place in closed containers until laundered. Inform laundry of hazardous properties. If irritation persists, get medical attention. Treat respiratory difficulty with artificial respiration and oxygen. Emergency medical personnel should administer antidote as indicated.

**IF IN EYES:** Flush eyes with plenty of water. If symptoms of poisoning occur, treat as for inhalation exposure.

**SEE LEFT PANEL FOR NOTE TO PHYSICIAN AND TREATMENT INSTRUCTIONS.  
SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

EPA Reg. No. 2548-71

EPA Est. No. 2548-KS-1

**Net Contents**

**Gallons**



# Research Products Company

Div. of McShares, Inc.

R 3/83  
P 5/83

SALINA, KANSAS 67401

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**BEST AVAILABLE COPY**

JUL 14 1993

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

2548-71

**DIRECTIONS FOR USE**  
(continued)

Processed foods would include: flour, sugar, cereal, packaged goods and crackers. Not included are hermetically sealed foods or manufactured dairy products and other processed foods requiring refrigeration.

**FOG or ULV SPACE SPRAY - FOOD OR NON-FOOD AREAS.** For the control of the exposed stages and the prevention of migration of most species of stored-product insects—rice weevils, granary weevils, confused flour beetles, saw-toothed grain beetles, cigarette beetles, Indian-meal moths and cocoa bean moths in warehouse storage areas, above bulk nonperishable raw agricultural commodities, food processing areas, flour and grain mills, other grain handling facilities, bakeries, canning and bottling plants and brewery warehouses during times when the plant is not in operation and no processed and/or perishable foods are exposed. If bulk, unpackaged processed and/or perishable foods are exposed, remove or cover before spraying begins. Processed and/or perishable foods should be removed or covered during treatment. All such food processing surfaces should be covered during treatment or thoroughly cleaned before resuming operations. When using the product in these areas apply only when the facility is not in operation.

VAPO-CIDE® may be used in any ultra low volume spray applicator or fogging unit which may be adjusted to deliver small particles. The rate of application should be between 1-2 grams of actual dichlorvos per 1000 cu. ft. or 3/4 to 1 1/2 ounces of liquid per 1000 cu. ft.

The space above uncovered nonperishable raw agricultural commodities can be treated. Use only the space above the commodity (not the space occupied by the commodity) when calculating space to be treated.

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 and thereafter for a minimum of six hours. Lock all entrances and do not allow unprotected workers to enter buildings during the exposure period.

Place "DANGER" signs at all entrances stating "DANGER, Insecticide treatment in progress. This building should remain unoccupied by unprotected workers for at least 6 hours after treatment. Do not enter prior to \_\_\_\_\_ o'clock \_\_\_\_\_ (date) without protection. Forced or passive ventilation should be used prior to reentry."

Repeat treatment at weekly intervals during season of peak insect activity for optimum results.

**INSTRUCTIONS FOR APPLICATION OF DILUTIONS**

**SPACE SPRAY AND CONTACT SPRAY - NON-FOOD AREAS ONLY:** Dilute to 1-3% with an approved solvent and apply at the rate of 1 gal. of spray per 64,000 cu. ft. to kill roaches, silverfish, fleas, waterbugs, earwigs, ants, and spiders, in sheltered situation. Adjust a ULV or fogger spraying device to a coarse spray for control of the above listed crawling 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 spraying device to deliver a fine spray for use as a space spray. Repeat treatment as necessary.

**FOR USE AS A CONTACT SPRAY - NON-FOOD AREAS ONLY:** Dilute to 1% and spray 1 pint per 10,000 cubic feet or 1,000 square feet of floor space. Do not use contact spray in edible product areas of food processing plants, restaurants or other areas where food is commercially prepared or processed.

**BEST AVAILABLE COPY**

**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 stimulations. If there are signs of parasympathetic stimulation, atropine should be injected at ten-minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. Oxygen administration may be necessary. 2-PAM is also antidotal and may be administered in conjunction with atropine. 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 cholinesterase regeneration has been attained as determined by blood test.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
(AND DOMESTIC ANIMALS)**

Poisonous if swallowed, inhaled or absorbed through skin or eyes. Do not get in eyes or on skin. Do not breathe fumes. Rapidly absorbed through skin. In case of contact, wash immediately with soap and water. Do not contaminate feed and foodstuffs. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Wear chemical resistant gloves (nitrile is recommended.), waterproof protective clothing and unvented goggles. Water repellent or other porous clothing is not suitable. Keep all unprotected persons out of operational area. While applying the insecticide, working in treated areas during posted period, or reentry for aeration, wear suitable respiratory protection that has been approved for this purpose by MSHA/NIOSH.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not contaminate water by disposal of equipment washwaters. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

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

**STORAGE**

Store in dry, well ventilated, locked area away from heat or open flame. Post as pesticide storage area. Keep containers closed when not in use. Store only in the original labeled containers. Wear appropriate protective equipment when opening drums and transferring product.

**DISPOSAL**

1. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixture or rinsate is a violation of federal law. If these 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.

2. **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.

3. **GENERAL:** Consult federal, state and local disposal authorities for approved procedures other than those given above. Approved procedures vary considerably for different types of generators.

4. **EQUIVALENT METHOD TO TRIPLE RINSING:** Empty drums as completely as possible. Remove the bungs and place the drums upside down until liquid has evaporated.

\*Not approved in California

**COMMODITY INDICATIONS AND LIMITATIONS**

Max Kill • VAPO-CIDE • is an especially formulated insecticide designed for use in the control of exposed stages of stored-product insects infesting facilities containing nonperishable, packaged or bagged raw or processed food commodities as well as bulk grains and other bulk nonperishable raw agricultural commodities, animal feeds and tobacco. The term "nonperishable" 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 fruit and vegetables such as onions, parsnips, potatoes and carrots.

**BEST AVAILABLE COPY**