

Reg # 2548-71

PM-13

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17 / 7

SEP - 7 1988

Mr. Carl Snider  
Research Products Company  
P.O. Box 1460  
Salina, KS 67402-1460

Dear Mr. Snider:

Subject: Amendment - Draft Labeling and Confidential Statement of Formula  
Max Kill Vapo-Cide  
EPA Registration No. 2548-71  
Your Letters Dated November 30 and December 18, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

1. Delete "for at least 15 minutes" in the If In Eyes section.
2. Change "Do not contaminate water by cleaning of equipment or disposal of wastes" to "Do not contaminate water when disposing of equipment washwaters."

~~Note that the Registration Standard requirements described in the Guidance for the Reregistration of Pesticide Products Containing DDVP as the Active Ingredient must be met by October 1, 1988.~~

9/6/88

The limits of each ingredient must be certified. For the active ingredient, the pure active ingredient rather than the concentrate must be certified. Enclosed is the current Confidential Statement of Formula form.

05579:I:Newkirk:LR-1:KENCO:5/31/88:6/30/88:CB:PS:VO:CB

CONCURRENCES

SYMBOL	SURNAME	DATE						

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Submit five (5) copies of the final printed labeling before you release the product for shipment.

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

Sincerely yours,

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

Enclosures

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**BEST AV**

### 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. Readily absorbed through skin. In case of contact, wash immediately with soap and water. Do not contaminate feed and feedstuffs. 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 natural rubber gloves, waterproof protective clothing and goggles. Keep all unprotected persons out of operational area. While applying the insecticide, or working in treated areas during posted period, wear a pesticide respirator (fully 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 provisions of 29 CFR Part II).

#### 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 cholinergic parasympathetic nervous system stimulation. 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 an antidote 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.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. 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 the 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

- PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal.
  - PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue 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.
  - CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and depress of in a sanitary landfill or by other procedures approved by state and local authorities.
  - 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.
  - EQUIVALENT METHOD TO TRIPLE RINSING:** Empty drums as completely as possible. Remove the bung 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 for use in the control of exposed stages of stored-product insects in processing facilities containing non-perishable, packaged or crated non-perishable food commodities as well as bulk grain 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, fresh-dried beans, fresh-dried peas, grains either in "good" bulk, tobacco and nuts. Not included are: eggs, milk, meat, poultry, "red" fruits and vegetables such as onion, pumpkin, potatoes and carrots.

# MAX KILL.

## VAPO-CIDE®

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS

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

**ACTIVE INGREDIENTS:**  
2, 2-dichlorovinyl dimethyl  
phosphate ..... 4.65%  
Related Compounds ..... 0.35%

**INERT INGREDIENTS:**  
Xylene Range Solvent ..... 95.00%  
TOTAL ..... 100.00%

\*Equivalent to 5% DDVP Insecticide

\* Registered Trademark of Research Products Company, Division of McShares, Inc.

### KEEP OUT OF REACH OF CHILDREN DANGER

#### 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 BREATHED:** 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. Observe patient for at least 24-36 hours.
- 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. Observe patient for at least 24-36 hours.
- IF IN EYES:** Flush with plenty of water for at least 15 minutes. If symptoms of poisoning occur, treat as for inhalation exposure.

See left panel for additional precautionary statements.

EPA Reg. No. 2548-71

EPA Est. No. 2548-KS-1

#### NET CONTENTS



Sent to EPA  
8/18/82

MANUFACTURED BY  
*Research*  
DIV. OF McSH  
SALINA, KAN

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 07 1982

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

2548-71

#### DIRECTIONS FOR USE (continued)

Processed foods would include: flour, sugar, crackers. Not included are homogenized dairy products and other processed food. **FOOD OR ULV SPACE SPRAY - FOOD OR ULV** of the exposed stages and the prevention of stored-product insects — rice weevils, grain beetles, saw-toothed grain beetles, cigarette and cocoa bean moths in warehouse nonperishable raw agricultural commodities, and grain mills, other grain handling facilities, and grain mills, other grain handling facilities, and grain mills, other grain handling facilities, and grain mills, other grain handling facilities. If built, unprocessed processed and/or remove or cover before spraying begins. Precautionary surfaces should be covered during treatment resuming operations. When using the product when the facility is not in operation VAPO-CIDE® may be used in any ultra low fogging unit which may be adjusted to deliver application should be between 1-2 grams of ft. or 1/4 to 1/2 ounce of liquid per 1000 cu. ft. The space above uncovered nonperishable can be treated. Use only the space above occupied by the commodity when calculating. Treatment should be made during the unoccupied. Buildings treated should be closed minimum during a period of the maximum of six hours. Lock all entrances and workers to enter buildings while being treated. **PESTICIDE DANGER** signs at all entrances stating "in progress. This building should remain workers for at least 6 hours after treatment. clock \_\_\_\_\_ (date) without protection." intervals during season of peak insect activity.

#### INSTRUCTIONS APPLICATION OF D

**SPACE SPRAY AND CONTACT SPRAY - NON-FOOD** to 1-3% with an approved solvent and apply at 64,000 cu ft to kill roaches, silverfish, flies and spiders in sheltered situation. Adjust to a coarse spray for control of the above listed many of the insects with the spray as present of the room suspected of harboring these insects. Be paid to cracks, hidden surfaces under areas. Then adjust the spraying device to a coarse spray. Repeat treatment as necessary. **FOR USE AS A CONTACT SPRAY - NON-FOOD** and spray 1 pint per 10,000 cubic feet or 1,000 net use contact spray in edible product areas, restaurants or other areas where food is processed.

#### GENERAL OPERATING I

- (For specific operation instructions, refer to booklet furnished with machine.)
1. Wear specified protective clothing and n treatment.
  2. Position machine at farthest point from m be moved during treatment, or in cent warehouse where volume is 100,000 cu ft.
  3. Direct nozzle upward and pointed down any nearby object.
  4. Set output by adjusting flow to desired le.
  5. Start machine and run for calculated tim moved around area during treatment. calculated path at pre-determined spe.
  6. When treatment time has been complete, shutting off valve. Wait until spray stops a area.
  7. Wait six hours after completion of treatment hours or more if pretreated, in which case v