

4-159 163  
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

NOV 20 1989

Mr. James J. Wurz  
 Bonide Chemical Company, Inc.  
 2 Wurz Avenue  
 Yorkville, NY 13495

Dear Mr. Wurz:

Subject: Formulation Change  
 Bonide V-1 Vapona Fog, Mist or Spray Insecticide  
 EPA Registration No. 4-159  
 Your Application Dated October 12, 1989

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. The words "STORAGE AND DISPOSAL" must appear as a heading with the minimum type size listed below:

Size of label front panel in square inches	Required type size for the heading STORAGE AND DISPOSAL all capitals
10 and under.....	6 point
Above 10 to 15 .....	8 point
Above 15 to 30 .....	10 point
Over 30.....	12 point

51074:I:Arrington:LR-3:ZENCO:11/17/89:01/03/90:KA:sw:vo:ka

**CONCURRENCES**

SYMBOL							
SURNAME							
DATE							

2. Change "Product Disposal" to "Pesticide Disposal" and revise the statement as follows:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

3. We suggest the following change under "If Swallowed" in the the Statement of Practical Treatment. However, if your toxicological data suggest otherwise please submit a draft Statement of Practical Treatment for prior approval.

If Swallowed - Call a physician or Poison Control center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.

Revise the "Note to Physician" as follows:

Note to Physician - Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-Pam is also antidotal and may be administered in conjunction with atropine.

4. Change "disposal of wastes" to "disposal of equipment washwaters" under the Environmental Hazards statement.

Submit five (5) copies of your 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 (H7505C)

Enclosure

**BEST AVAILABLE COPY**

Partners BP 88155 V-1 Vapona EPA 4-159 07-20-89 10-40-19 No. 622667

**Home Environmental Area Usage:** See front panel listing for use with foggers, misters, aerosols and space sprays such as Aerodyne 500, Dynalug, Tala, Swing Fog, Microfog, Vapor Fog and others.

**TO CONTROL** flies, flying insects, moths, gnats, hornets, mosquitoes and wasps.

**Indoors:** Use only space or contact sprays indoors. (Do not use fog.) Occupants should vacate the premises before treatment and should not re-occupy until thoroughly ventilated after treatment (opening several doors and windows to create air current which disperses the vapors). Use only space or contact sprays indoors. Do not use fog. Do not apply to skin or animals. Remove beds and pets, cover fish bowls and aquarium before application. Humid and pet food and food handling equipment should be removed or covered with wrapping paper. Apply upwards into four corners of the room, 10-15 sec. each per 1,000 cu. ft. of room space (average room 10-20 sq. mts). Close doors and windows for about 15 minutes after treatment. Repeat as necessary. To control hornets and wasps on nests spray nests directly at night.

**Outdoors:** Best results are obtained in still air. Strong wind dissipates fog too rapidly for good results. Apply 1 1/2 gallon per acre of lawn and shrubbery — a thorough application around outdoor areas to repel and kill annoying flying insects. Use dense fog (3-7 second application) around dark moist shrubbery and insect hiding places for flies, mosquitos, and wasps. Repeat as necessary. Avoid close direct application to shrubs as spotting or injury may result. Do not apply in areas where food crops may be contaminated. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift.

**To Control ants, centipedes, cockroaches, millipedes, silverfish, spiders and ticks:** Apply to cracks of woodwork, wall, floors, around doors, window frames, baseboards, behind shelving of storage areas and other places where these insects may congregate, walk or hide. Apply to ant trails around doors and window sills. Do not apply to areas which will be contacted frequently by children and do not allow them in treated areas until surfaces are dry. Do not contaminate food, water, containers or cooking utensils. Do not treat animals.

**To Control fleas & ticks:** Apply to animal sleeping quarters freely, force insecticide into cracks in floors and about the room. Fresh bedding should be placed in animal quarters after treatment. Repeat as necessary. Observe cautions under Indoor Uses above.

**To Control bedbugs:** Take bed apart and spray entire surface of bedstead, slats and springs. Spray thoroughly into cracks and joints in bedstead and on tufts and seams of mattress. Do not spray general surface of mattress. Spray on and under baseboards, moldings, cracks in floors and walls, underneath loose wall paper and other places where insects may be found. Air mattress until completely dry (at least 4 hours before re-use).

**To Control fly maggots in breeding areas (manure piles and garbage dumps):** Apply 1-2 quarts per 100 sq. ft., 10-15, area. Do not treat areas where food, animal feed, or crops are growing. Birds feeding on treated areas may be killed.

Buyer's guarantee limited to label claims

Manufactured by

**BONIDE CHEMICAL CO., INC. • YORKVILLE, NY 13495**

**BONIDE®**  
**V-1**  
**VAPONA® FOG, MIST OR**  
**SPRAY INSECTICIDE**

READY TO USE INDOORS AND OUTDOORS — KILLS  
 FLIES, MOSQUITOES, GNATS, HORNETS, WASPS,  
 FLYING MOTHS. Also ants, fleas, centipedes,  
 cockroaches, millipedes, ticks, silverfish, bedbugs  
 and fly maggots.

Apply with foggers, misters or sprayers around the  
 home, outdoor living areas, picnic grounds, patios,  
 backyard, parking and refuse areas, garbage  
 collection and disposal areas and outdoor latrines.  
 Recommended for Industrial/Commercial Use.

**ACTIVE INGREDIENTS:** EPA Est. No. 4-NY-1 EPA Reg. 7-4-159  
 2,2-Dichlorovinyl Dimethyl Phosphate 46%

**MINERAL OIL:** 50%  
 2,2-Dichlorovinyl Dimethyl Phosphate 46%  
 Related Compounds 4%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
 See side panel for additional precautionary statement.

**COMBUSTIBLE MIXTURE. DO NOT FOG INDOOR**  
**NET CONTENTS:** 1 Qt. (32 Fl. Oz.) □ 1 Gal. (128 Fl. Oz.)

**ACTIVE INGREDIENT:**  
 2,2-Dichlorovinyl Dimethyl Phosphate\* ..... 46%  
 Related compounds\* ..... 04%  
**INERT INGREDIENTS:** ..... 99.50%  
 Contains Mineral Oil

\*Equivalent to 0.50% Vapona® a Trademark of Shell Chemical Co.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS — CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin or eyes. Do not breathe vapor, mist or spray. Do not get in eyes, on skin or clothing, wash contaminated clothing, shoes or tools before re-use. Do not contaminate animal feed, water or handshirts. Wash thoroughly with soap and water after handling and before eating or smoking.

**Statement of Practical Treatment**

**If swallowed —** Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give any thing by mouth to an unconscious or convulsing person. Atropine is antidote.

**If inhaled —** Remove victim to fresh air. Apply artificial respiration if needed.

**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.

**Note to Physician —** If symptoms of cholinesterase inhibition are present, atropine sulfate is antidote. 2-Pam is also antidote and may be administered in conjunction with atropine.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**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:** Keep product in original container. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

**Product Disposal:** Securely wrap original container in several layers of newspaper and dispose in trash.

**Container Disposal:** Do not reuse container. Discard empty container in trash.

ACCEPTED  
 SHELL CHEMICALS  
 INC. EPA Est. No. 4-159