

## **PLEASE NOTE**

**This image contains more than one label  
approved for this product on this date.**

4691-130

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN AND EYES. RAPIDLY ABSORBED THROUGH SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. Do not swallow or get in eyes, on skin or on clothing. Do not breathe vapor. Do not contaminate food or feed products.**

**CALIFORNIA ONLY:** When used in enclosed structures, do not enter or allow worker entry during the Restricted Entry Interval (REI) of 24 hours.

**Personal Protective Equipment (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical-resistance category selection chart in the Worker Protection Standard.

**Applicators and other Handlers Must Wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This pesticide is highly toxic to fish, birds and other wildlife. Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur or when weather conditions favor drift from areas treated. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not use with thermal foggers or heat-generating devices.

**ACCEPTED**  
FEB 9 2005

**Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 4691-130**

Net Contents: 2.5 gallons (9.5 Liters)



**Boehringer  
Ingelheim**

**DO NOT SHIP OR USE  
THIS PRODUCT UNLESS  
DIRECTIONS FOR USE  
ARE ATTACHED.**

**Vapona® Concentrate Insecticide**

Controls Flies, Gnats, and Mosquitoes on Cattle and around Livestock and Poultry Premises

Active Ingredients	By Weight
Dichlorvos (CAS #62-73-7)	40.2%
Related Compounds	3.0%
Other Ingredients	56.8%
<b>Total</b>	<b>100.0%</b>

This product contains 3.88 lbs. of DCP per gallon.  
\* Equivalent to 43.2% of the VAPONA insecticide.  
\*\* Contains 0.01% of 2,4-D.

For Agricultural/Commercial Use Only  
Not For Sale For Any Other Uses

**DILUTE  
PRIOR TO USE**

**Keep Out of Reach of Children**



See inside panel for additional precautionary statements

EPA Reg. No. 4691-130  
EPA Est. No. 5481-CA-1  
659601L-02-0403



Manufactured for:  
Boehringer Ingelheim Vetmedica, Inc.  
St. Joseph, MO 64506 U.S.A.  
(800) 821-7467

**FIRST AID**

1. If inhaled: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If necessary, give mouth-to-mouth respiration. Do not use mouth-to-mouth respiration if you have a sore throat or a cold. Do not use a mouth-to-mouth resuscitator if you have a sore throat or a cold.

2. If swallowed: Give large amounts of water to drink. Do not induce vomiting unless directed to do so by a health care professional. Do not give anything by mouth to someone who is unconscious or who is seizing.

3. If on skin or clothing: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation occurs, stop use and get medical attention. Do not use petroleum products to remove pesticide from skin.

4. If in eyes: Hold eye open and flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present, after the first flushing. Get medical attention.

**HOT LINE NUMBER**

1-800-821-7467

**NOTE TO PHYSICIAN**

This product contains the active ingredient dichlorvos (DDVP), which is a cholinesterase inhibitor. It may cause symptoms of cholinesterase inhibition, such as headache, dizziness, nausea, vomiting, diarrhea, and weakness. If these symptoms occur, stop use of the product and get medical attention. Do not use this product if you are pregnant or nursing. Do not use this product if you have a history of asthma or other respiratory conditions. Do not use this product if you have a history of seizures or other neurological conditions. Do not use this product if you have a history of heart disease or other cardiovascular conditions. Do not use this product if you have a history of kidney disease or other renal conditions. Do not use this product if you have a history of liver disease or other hepatic conditions. Do not use this product if you have a history of diabetes or other endocrine conditions. Do not use this product if you have a history of hypertension or other blood pressure conditions. Do not use this product if you have a history of low blood sugar or other metabolic conditions. Do not use this product if you have a history of anemia or other blood conditions. Do not use this product if you have a history of bleeding disorders or other coagulation conditions. Do not use this product if you have a history of immune system disorders or other autoimmune conditions. Do not use this product if you have a history of cancer or other neoplastic conditions. Do not use this product if you have a history of organ transplant or other immunosuppressive conditions. Do not use this product if you have a history of drug abuse or other substance use disorders. Do not use this product if you have a history of mental health conditions or other psychiatric conditions. Do not use this product if you have a history of alcohol use or other substance use disorders. Do not use this product if you have a history of pregnancy or other reproductive conditions. Do not use this product if you have a history of breastfeeding or other lactation conditions. Do not use this product if you have a history of organ donation or other transplantation conditions. Do not use this product if you have a history of organ donation or other transplantation conditions. Do not use this product if you have a history of organ donation or other transplantation conditions.

02/09/2005

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**Directions for Use**

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

This product must be mixed with water or diesel oil, depending on use, prior to using. It is suitable for use in conventional power or low pressure knapsack sprayers, mist blowers or non-thermal foggers. Select the specific site, method of use and insect problem, then dilute as directed. Follow the remarks for the safe use and best results in using this product. Do not store diluted product. Prior to use, read the Precautionary Statements elsewhere on this product label.

This product can be used on lactating dairy cattle and requires only 1-day withdrawal period when used on beef cattle.

**Livestock Use Directions - Dilute in Water Only**

For direct application to beef and dairy cattle (including lactating). Do not make direct application to livestock more frequently than once per day.

**MUST BE DILUTED PRIOR TO APPLICATION.**

Use	Insects Controlled	Dilution Vapona In Water	Remarks
Dairy Cattle (including lactating), Beef Cattle	Horn Flies Face Flies Stable Flies House Flies Mosquitoes	1 gal. in 50 gal. or 5 oz. in 2 gal. (1% Dilution)	Apply 1 to 2 fl. oz. of diluted solution (do not exceed 2 oz.) per animal daily as a fine mist spray. Be sure to cover all parts of animal for best results. Do not apply in combination with other dermal organophosphate pesticides (e.g. trichlorfon). Brahman and Brahman cross cattle should not be treated as they may show hypersensitivity to organophosphates. Do not wet the hide. Do not apply to calves under 6 months of age. One day withdrawal is required on beef cattle.

**Indoor Premise/Area Use Directions - Dilute in Water Only**

For indoor application to livestock facilities.

Use	Insects Controlled	Dilution Vapona In Water	Remarks
Dairy Barns, Poultry Houses, Swine Barns, Other Animal Buildings	Flies Gnats Mosquitoes Roaches Sowbugs Ants	1 gal. in 100 gal. or 2 oz. in 1.5 gal. (0.5% Dilution)	Apply as a space spray mist to open air space at the rate of 1 quart (32 oz.) of diluted solution per 8,000 cubic feet or as a coarse wet spray to indoor surfaces at the rate of 1 quart of diluted solution per 1,000 sq. ft. Before applying reduce air movement as much as possible by closing doors, windows, and other openings. Do not use this solution in areas where animals have received a direct organophosphate pesticide application within eight hours. If animals are present, ventilate treated area immediately following spray application. Do not contaminate water, feed, or foodstuffs, milk or milking utensils.
		1 gal. in 50 gal. or 5 oz. in 2 gal. (1.0% Dilution)	Apply as above at the rate of 1 pint (16 oz.) per 8,000 cubic feet or 1 pint (16 oz.) per 1,000 sq. ft. when a reduced quantity of water is desired and equipment can adequately provide coverage of area to be treated.
Manure Piles	Fly Maggots	1 gal. in 100 gal. or 2 oz. in 1.5 gal. (0.5% Dilution)	Apply as above at the rate of 1 to 2 qts. of solution per 100 sq. ft. of manure once a week.

**Outdoor Area Use Directions - Dilute in Water (Misting) or Diesel Oil (Fogger)**

For outdoor area treatment of livestock holding facilities.

Use	Insects Controlled	Dilution Vapona In Diluent	Remarks
Cattle Feedlots, Stockyards, Holding Pens, Corrals	Flies Gnats Mosquitoes	1 gal. in 100 gal. or 1 qt. in 25 gal. (0.5% Dilution)	Apply at an overall application rate of approximately 5 gallons of diluted solution per acre. Fog or mist during the time insects are most active, usually late afternoon and when there is little wind. Particular attention should be given to areas where flies congregate such as around feed bunks, fences, and walls of buildings. Avoid direct application to exposed feed and water. Animals may be present during treatment.

**STORAGE AND DISPOSAL**

Not for use or storage in or around the home.

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

**Storage:** Store in original container only. Store in a safe place where children or animals cannot reach the product or its diluted emulsion. Protect from freezing.

**Container Disposal:** Triple-rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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.

**WARRANTY AND LIMITATIONS OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing and with specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

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Net Contents: 2.5 gallons (9.5 Liters)



# Vapona<sup>®</sup> Concentrate Insecticide

Controls Flies, Gnats, and Mosquitoes on Cattle and around Livestock and Poultry Premises

**DO NOT SHIP OR USE  
THIS PRODUCT UNLESS  
DIRECTIONS FOR USE  
ARE ATTACHED.**

<b>Active Ingredients</b>	<b>By Weight</b>
Dichlorvos (CAS #62-73-7)	40.2% *
Related Compounds	3.0% **
<b>Other Ingredients</b>	<b>56.8% **</b>
<b>Total</b>	<b>100.0%</b>

This product contains 3.88 lbs. of Dichlorvos per gallon  
 \* Equivalent to 43.2% w/w VAPONA Insecticide  
 \*\* Contains petroleum hydrocarbons.

**For Agricultural/Commercial Use Only  
 Not For Sale For Any Other Uses**

**DILUTE  
 PRIOR TO USE**

**Keep Out of Reach of Children**

FIRST AID	
<b>If swallowed:</b>	+ Rinse mouth with water. Do not induce vomiting unless advised. + Do not give anything to eat or drink until advised. + Do not give anything to the person. + Do not let the person lie on their back.
<b>If inhaled:</b>	+ Remove person to fresh air. + If person is breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. + Call a poison control center or doctor for further treatment advice.
<b>If in eyes:</b>	+ Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. + Remove contact lenses, if present after the first 5 minutes, then continue rinsing. + Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing:</b>	+ Take off contaminated clothing. + Wash skin thoroughly with soap and water (15-20 minutes). + Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Check the manufacturer's label for the hot line number. HAZARDOUS MATERIALS Emergency Response: 1-800-424-9093 For the U.S.A. only: 1-800-424-9093; In Canada: 1-800-387-0737	
NOTE TO PHYSICIAN	
Probable muricide may contribute to the use of gastric lavage. Contains petroleum hydrocarbons which may cause skin irritation. <b>Poisoning Symptoms:</b> Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. <b>Treatment:</b> Avoid use of the skin to help absorb antagonist of cholinergic parasympathetic nervous system. If the symptoms of cholinergic stimulation (Anagris Sulfate) should be injected at 10 mg to 20 mg and use of 10 mg to 20 mg of atropine should be given if it has occurred. Plasma level of 2-FAM may be used as an objective indicator in addition to and while maintaining the clinical signs. A dose of 1 mg of 2-FAM should be injected intravenously at 15 to 30 minutes after the last dose of 2-FAM. If the signs of cholinergic stimulation (Anagris Sulfate) are observed, a dose of 1 mg to 2 mg of atropine should be injected intravenously. If the signs of cholinergic stimulation (Anagris Sulfate) are observed, a dose of 2-FAM (0.25 grams/kg body weight) may be administered intravenously. Call a poison control center or doctor for treatment advice.	

TAKE TIME  
OBSERVE LABEL  
DIRECTIONS



See inside panel for additional precautionary statements.

EPA Reg. No. 4691-130  
 EPA Est. No. 5481-CA-1  
 659601L-02-0403

**Manufactured for:**  
 Boehringer Ingelheim Vetmedica, Inc.  
 St. Joseph, MO 64506 U.S.A.  
 (800) 821-7467



0 12313 65963 9

**NEXT**

**LABEL**

4691-130

02/09/2005

ACCEPTED

FEB 9 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 4691-130

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46086

Net Contents: 2.5 gallons (9.5 Liters)



DO NOT SHIP OR USE THIS PRODUCT UNLESS DIRECTIONS FOR USE ARE ATTACHED.

# Vapona® Concentrate Insecticide

Controls Flies, Gnats, and Mosquitoes on Cattle and around Livestock and Poultry Premises

Active Ingredients	By Weight
Dichlorvos (CAS #62-73-7)	40.2% *
Related Compounds	3.0% *
Other Ingredients	56.8% **
<b>Total</b>	<b>100.0%</b>

This product contains 3.88 lbs. of Dichlorvos per gallon.  
 \* Equivalent to 43.2% w/w VAPONA Insecticide.  
 \*\* Contains petroleum hydrocarbons.

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**DILUTE  
PRIOR TO USE**

Keep Out of Reach of Children



TAKE TIME  
OBSERVE LABEL  
DIRECTIONS



See inside panels for additional precautionary statements

EPA Reg. No. 4691-130  
EPA Est. No. 5481-CA-1  
659601L-02-0403



Manufactured for:  
Boehringer Ingelheim Vetmedica, Inc.  
St. Joseph, MO 64506 U.S.A.  
(800) 821-7467

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Contains an organophosphate that inhibits cholinesterase.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-821-7467 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
<p>Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum hydrocarbons - vomiting may cause aspiration pneumonia.</p> <p><b>Poisoning Symptoms:</b> Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.</p> <p><b>Treatment:</b> 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 mg/grams until complete atropinization has occurred. Pralidoxime chloride (2-PAM) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected preferably as an infusion in 250cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5 percent solution in water over not less than two minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children the dose of 2-PAM is 0.25 grams. Morphine is an improper treatment. Clear chest by postural drainage. Oxygen administration may be necessary. 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.</p>	

Net Contents: 2.5 gallons (9.5 Liters)



# Vapona<sup>®</sup> Concentrate Insecticide

Controls Flies, Gnats, and Mosquitoes on Cattle and around Livestock and Poultry Premises

**DO NOT SHIP OR USE THIS PRODUCT UNLESS DIRECTIONS FOR USE ARE ATTACHED.**

Active Ingredients	
Dichlorvos (CAS #62-73-7)	By Weight 40.2%*
Related Compounds	3.0%**
Other Ingredients	56.8%**
<b>Total</b>	<b>100.0%</b>

This product contains 3.88 lbs of Dichlorvos per gallon  
\* Equivalent to 43.2% w/w VAPONA Insecticide  
\*\* Contains petroleum hydrocarbons.

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Not For Sale For Any Other Uses

**DILUTE  
PRIOR TO USE**

**Keep Out of Reach of Children**



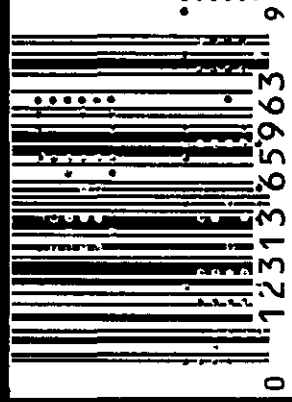
**TAKE TIME  
OBSERVE LABEL  
DIRECTIONS**

See inside panels for additional  
precautionary statements

EPA Reg. No. 4691-130  
EPA Est. No. 5481-CA-1  
659601L-02-0403

**Manufactured for:**

Boehringer Ingelheim Vetmedica, Inc.  
St. Joseph, MO 64506 U.S.A.  
(800) 821-7467



FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice • Do not induce vomiting unless told to do so by a poison control center or doctor • Do not give anything to eat or drink unless told to do so • Do not give anything to eat or drink unless told to do so
If inhaled	• Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible • Call a poison control center or doctor for further treatment advice
In eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye • Call a poison control center or doctor for treatment advice
On skin or clothing	• Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
<b>HOT LINE NUMBER</b> Contains an organophosphate that inhibits cholinesterase	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-821-7467 for emergency medical treatment information.	

**NOTE TO PHYSICIAN**  
Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum hydrocarbons. Vomiting may cause aspiration pneumonia.  
**Poisoning Symptoms:** Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive 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 5 mg of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minute intervals in doses of 1 to 2 mg, until complete atropinization has occurred. Pilocarpine (2-PAM) may also be used as an effective antidote in addition to and while maintaining low atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected preferably as an infusion in 250cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly intravenous injection as a 5 percent solution in water over not less than two minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. 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  
DANGER**

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**CALIFORNIA ONLY:** When used in enclosed structures, do not enter or allow worker entry during the Restricted Entry Interval (REI) of 24 hours.

**Personal Protective Equipment (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical-resistance category selection chart in the Worker Protection Standard.

**Applicators and other Handlers Must Wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This pesticide is highly toxic to fish, birds and other wildlife. Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur or when weather conditions favor drift from areas treated. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not use with thermal foggers or heat-generating devices.



**Directions for Use**

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

This product must be mixed with water or diesel oil, depending on use, prior to using. It is suitable for use in conventional power or low pressure knapsack sprayers, mist blowers or non-thermal foggers. Select the specific site, method of use and insect problem, then dilute as directed. Follow the remarks for the safe use and best results in using this product. Do not store diluted product. Prior to use, read the Precautionary Statements elsewhere on this product label.

This product can be used on lactating dairy cattle and requires only 1-day withdrawal period when used on beef cattle.

**Livestock Use Directions - Dilute In Water Only**

For direct application to beef and dairy cattle (including lactating). Do not make direct application to livestock more frequently than once per day.

**MUST BE DILUTED PRIOR TO APPLICATION.**

Use	Insects Controlled	Dilution Vapona In Water	Remarks
Dairy Cattle (including lactating), Beef Cattle	Horn Flies Face Flies Stable Flies House Flies Mosquitoes	1 gal. in 50 gal. or 5 oz. in 2 gal. (1% Dilution)	Apply 1 to 2 fl. oz. of diluted solution (do not exceed 2 oz.) per animal daily as a fine mist spray. Be sure to cover all parts of animal for best results. Do not apply in combination with other dermal organophosphate pesticides (e.g. trichlorfon). Brahman and Brahman cross cattle should not be treated as they may show hypersensitivity to organophosphates. Do not wet the hide. Do not apply to calves under 6 months of age. One day withdrawal is required on beef cattle.

**Indoor Premise/Area Use Directions - Dilute in Water Only**

For indoor application to livestock facilities.

Use	Insects Controlled	Dilution Vapona In Water	Remarks
Dairy Barns, Poultry Houses, Swine Barns, Other Animal Buildings	Flies Gnats Mosquitoes Roaches Sowbugs Ants	1 gal. in 100 gal. or 2 oz. in 1.5 gal. (0.5% Dilution)	Apply as a space spray mist to open air space at the rate of 1 quart (32 oz.) of diluted solution per 8,000 cubic feet or as a coarse wet spray to indoor surfaces at the rate of 1 quart of diluted solution per 1,000 sq. ft. Before applying reduce air movement as much as possible by closing doors, windows, and other openings. Do not use this solution in areas where animals have received a direct organophosphate pesticide application within eight hours. If animals are present, ventilate treated area immediately following spray application. Do not contaminate water, feed, or foodstuffs, milk or milking utensils.
		1 gal. in 50 gal. or 5 oz. in 2 gal. (1.0% Dilution)	Apply as above at the rate of 1 pint (16 oz.) per 8,000 cubic feet or 1 pint (16 oz.) per 1,000 sq. ft. when a reduced quantity of water is desired and equipment can adequately provide coverage of area to be treated.
Manure Piles	Fly Maggots	1 gal. in 100 gal. or 2 oz. in 1.5 gal. (0.5% Dilution)	Apply as above at the rate of 1 to 2 qts. of solution per 100 sq. ft. of manure once a week.

## Outdoor Area Use Directions - Dilute in Water (Misting) or Diesel Oil (Fogger)

For outdoor area treatment of livestock holding facilities.

Use	Insects Controlled	Dilution Vapona In Diluent	Remarks
Cattle Feedlots, Stockyards, Holding Pens, Corrals	Flies Gnats Mosquitoes	1 gal. in 100 gal. or 1 qt. in 25 gal. (0.5% Dilution)	Apply at an overall application rate of approximately 5 gallons of diluted solution per acre. Fog or mist during the time insects are most active, usually late afternoon and when there is little wind. Particular attention should be given to areas where flies congregate such as around feed bunks, fences, and walls of buildings. Avoid direct application to exposed feed and water. Animals may be present during treatment.

### STORAGE AND DISPOSAL

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

**Storage:** Store in original container only. Store in a safe place where children or animals cannot reach the product or its diluted emulsion. Protect from freezing.

**Container Disposal:** Triple-rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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.

### WARRANTY AND LIMITATIONS OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing and with specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.