UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

November 28, 2014

Kelly Rahn Amvac Chemical Corporation 4695 MacArthur Court, Suite 1200 Newport Beach, CA 92660

Subject: Label Amendment – Addition of Directions for Use for Food/Feed Facilities

Product Name: DDVP 2-E Emulsifiable Concentrate

EPA Registration Number: 5481-205 Application Date: July 12, 2013 Decision Number: 483534

Dear Ms. Rahn:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Carlyn Petrella by phone at 703-347-0439, or via email at petrella.carlyn.@epa.gov.

Sincerely,

Mark Suarez, Product Manager 07 Invertebrate- & Vertebrate Branch 3 Registration Division (7505P) Office of Pesticide Programs

Restricted Use Pesticide

Due to primary eye irritation. For retail sale to and use only by Certified Applicators or persons under their direct supervision and *only* for those uses covered by the Certified Applicator's certification.



DDVP 2-E **EMULSIFIABLE CONCENTRATE**

FOR AGRICULTURAL/COMMERCIAL USE ONLY. NOT FOR SALE FOR ANY OTHER USES.

ACTIVE INGREDIENT:

TOTAL: 100%

> *Equiv. to 24.62% DDVP Insecticide or 2 lbs. / gal. (Contains Xylene range aromatic solvent) (Contains Petroleum Distillates)



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



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
CONTAINS AN ORGANOPHOSPHATE THAT INHIBITS CHOLINESTERASE	
IF 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.
IF	Immediately call a poison control center or doctor.
SWALLOWED	 Do not induce vomiting unless told to by a poison control center or doctor.
	Do not give any liquid to the person.
	Do not give anything by mouth to an unconscious person.
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING	Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF INHALED	Move person to fresh air.
	• If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth,
	if possible.
	Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage. Contain petroleum distillates. May pose an aspiration pneumonia hazard. NOTE TO PHYSICIAN -- POISONING SYMPTOMS: This product is a cholinesterase inhibitor. 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. Morphine is contraindicated. 2-PAM is also antidotal and may be administered in conjunction with atropine. Clear chest by postural drainage. 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 allowed as determined by blood test.

ACCEPTED

Nov 28, 2014

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-205

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies, phone: 1-888-681-4261 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC......1-800-424-9300

Net Contents: 30 Gallon

EPA Reg. No. 5481-205 EPA Est. No. 5481-CA-1

AMVAC 4100 E. Washington Blvd. Los Angeles, CA 90023 U.S.A. 1-888-462-6822

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. May be fatal is swallowed. May be fatal if absorbed though skin. Harmful if inhaled. Do not get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, Loaders, Applicators and other handlers must wear:

- -protective eyewear (goggles, faceshield, or safety glasses)
- -coveralls over a long-sleeved shirt and long pants,
- -shoes and socks, and
- -chemical-resistant gloves (barrier laminate or Viton)
- -a NIOSH-approved 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 prefix TC-14G) or, --a an organic-vapor removing cartridge or canister with any N,R,P or HE prefilter.
- -Chemical resistant apron when mixing, loading or cleaning equipment
- -Chemical resistant headgear for overhead exposure

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from areas treated. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on treated area. Do not apply when bees are visiting ornamentals, weeds, or other vegetation blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store the product near heat or open flame.

DIRECTION FOR USE

Restricted Use Pesticide

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

RESTRICTIONS:

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Do not enter or allow others to enter until sprays have dried.
- Only protected handlers wearing specified PPE may be in the area during application.
- Do not apply this product through any type of irrigation system
- Use in hand held fogger or hand held smoke generator equipment is prohibited.
- Use in residential sites as a crack and crevice or space spray is prohibited.
- Use on lawns, turf or ornamentals is prohibited.

• USE IS PROHIBITED IN:

- *Food/feed manufacturing establishments:* bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants) excluding non-food/feed manufacturing areas.
- Food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants) excluding non-food/feed processing areas.

POSTING AND RE-ENTRY RESTRICTIONS

NOTIFICATION: Before the start of the application, post fumigant warning signs at all entrances to the building. The signs must bear the skull and crossbones symbol and state: (1) "DANGER/PELIGRO", (2) "Building under fumigation, DO NOT ENTER/NO ENTRE", (3) the date and time of fumigation, (4) "DDVP {or use brand name} Fumigant in use", and name, address, and telephone number of the applicator. The signs must be located prominently at each entrance, using a sign size and letter size that makes the sign clearly legible. All signs must be removed after the ventilation is complete and before routine entry by unprotected persons is permitted. Entry by any person - other than a correctly trained and equipped handler who is performing a task related to ventilation or air concentration monitoring and who is wearing the personal protective equipment required for handlers - is PROHIBITED in the entire enclosed structure/building from the start of application until ventilation is complete. Ventilation is complete either when 24 hours have elapsed following application and the building has been opened and aired or when a direct-indication short term concentration monitoring device (e.g. Draeger tube) indicates that the DDVP air concentration is equal to, or less than 0.050 ppm (50% of the OSHA PEL).

OUTDOOR PEST CONTROL

FOGGING & MISTING - Outdoor Areas, Picnic Areas, Backyard Areas, Patios, Loading Docks, Outdoor Latrines, Parking Areas, Refuse Areas around Service Stations, Open air Drive-ins, Garbage Collection & Disposal Areas. Use on lawns, turf and ornamentals is prohibited.

-For Flies, Mosquitoes, Gnats.

MIXING RATE - Use a 1% Fogging or misting solution by mixing 1 quart with 6 gallons of water or 1 quart with 7 gallons of diesel oil.

HOW TO APPLY – Apply the 1% fogging solution with fogging apparatus or mist blowers at the rate of 5 to 10 pints per acre, equivalent to 0.05 to 0.1 pound DDVP insecticide per acre. Do not treat areas where food or feed crops are growing. Use in a way that will minimize drift onto sensitive areas. Do not treat more than 5 application sites per day and do not make DDVP application more than once per week.

AS A SPRAY – For the control of Flies, Gnats, Mosquitoes, Roaches, Fleas, Ants, Sowbugs, and Brown Dog Ticks use a 0.5% spray solution by mixing 1 pint of this product with 6 gallons of water or 1 pint in 7 gallons of diesel oil. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq.ft. Do not treat animals or humans. Do not contaminate water, food, food containers or cooking utensils. Repeat as necessary. This product may be used as a 1% to a 3% fog or mist solution to control Flies, Mosquitoes, Wasps, Gnats & other small flying insects in outdoor areas.

MANURE PILES, GARBAGE DUMPS

For the control of Fly Maggots in maggot breeding areas apply at the rate of 1 to 2 quarts of 0.5% spray solution per 100 sq.ft. (Use 1 quart of 1% Solution). NOT FOR USE IN OR AROUND RESIDENTIAL SITES. For garbage dumps, do not treat more than 5 application sites per day and do not make DDVP applications more than once per week.

DOG KENNELS

Apply to outside dog runways, window sills and ledges at the rate of 1 quart of 0.5% spray solution per 1,000 sq. ft. For the control of Fleas, and Brown Dog Ticks increase dosage to 2 quarts of 0.5% spray per 1,000 sq. ft. NOTE: Remove dogs and cover or remove feed and water before treating. Do not apply with hand-held fogging or misting equipment. NOT FOR USE IN OR AROUND RESIDENTIAL SITES. Do not treat more than 5 application sites per day and do not make DDVP applications more than once per week.

ANIMAL BUILDINGS

Horse Barns, Dairy Barns, Shelter Sheds, Milk Sheds, Pig Pens, Outdoor Areas. NOT FOR USE IN OR AROUND RESIDENTIAL SITES.

AS A SPRAY

For Flies, Gnats, Mosquitoes, Roaches, Fleas, Ants, Sowbugs, and Brown Dog Ticks. **IMPORTANT** – Applicator must wear an approved respirator when using this product indoors and must vacate the area after treatment. See Hazards to Humans and Domestic Animals paragraph.

MIXING RATE – Use a 0.5% spray solution by mixing 1 pint of this product with 6 gallons of water. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq. ft.

<u>HOW TO APPLY</u> – Before applying in enclosed areas, reduce air movement as much as possible by closing doors, windows and other openings. Spray around doorways, feed storage rooms, alleyways and window sills. Do not contaminate milk or milking utensils. Do not treat animals or humans. Do not contaminate water, feed or foodstuff. Repeat as necessary. Animals may be present during treatment. In poultry houses, apply to manure, window sills, outside of penned enclosures and on floor of feed storage rooms. Do not treat more than 5 application sites per day and do not make DDVP applications more than once per week.

AS A FOG

For Flies, Gnats, Mosquitoes.

IMPORTANT PRECAUTIONS: Remove animals before fogging. Applicator must not remain in treated area. Do not apply with hand-held fogging or misting equipment. Keep area closed for at least 10 minutes to kill resting adult flying insects. After treatment the area should be opened up and ventilated prior to reoccupying by humans or animals. Ventilation is complete either when 24 hours have elapsed following application and the building has been opened and aired or when a direct-indication short term concentration monitoring device (e.g. Draeger tube) indicates that the DDVP air concentration is equal to, or less than 0.050 ppm (50% of the OSHA PEL).

<u>MIXING RATE</u> – Use a 0.5% to 1.0% fogging solution by mixing 1 pint of this product with 7 gallons of diesel oil for 0.5% and for 1.0% dilute 1 quart per 7 gallons of diesel oil.

<u>HOW TO APPLY</u> – Apply with non-hand-held fogging or misting equipment at the rate of 1 quart of the 0.5% solution or 1 pint of the 1.0% solution per 8,000 cubic feet. Before applying reduce air movement as much as possible by closing doors, windows and other openings. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Do not use in areas where animals have received direct applications of DDVP within 8 hours.

CATTLE FEED LOTS, STOCKYARDS, HOLDING PENS, CORRALS

For Flies, Gnats, Mosquitoes.

MIXING RATE – Use a 0.5% DDVP by mixing 1 pint of this product with 6 gallons of water.

<u>HOW TO APPLY</u> – Apply with a Mist Blower or other suitable equipment as an overall application at the rate of 0.2 pounds of Technical DDVP per acre (approximately 5 gallon of the 0.5% solution). Do not apply with hand-held fogging or misting equipment. Particular attention should be given to areas where flies congregate such as fences, spillage areas, around feed bunks, and walls of building. Animals may be present during treatment. Do not apply directly to exposed feed or water. NOT FOR USE IN OR AROUND RESIDENTIAL SITES.

DAIRY AND BEEF CATTLE APPLICATIONS AS A SPRAY

For Horn Flies, Stable Flies, Face Flies, House Flies, Mosquitoes.

MIXING RATE – Use a 1.0% DDVP solution by mixing 1 quart of this product with 6 gals. of water.

<u>HOW TO APPLY</u> – Apply 2 fl. oz. of mix per animal as a mist spray daily with an automatic sprayer. Do not apply with hand-held fogging or misting equipment. Spray to cover all parts of the animal, including the legs but do not wet the skin. Do not apply in excess of 2 fluid ounces per animal per day. Do not make direct applications to livestock more frequently than once per day. Do not

apply within 1 day of slaughter (PSI-1 day). For Horn Flies, direct the spray to the back line, withers, and belly. For Face Flies spray the forehead taking care to avoid getting spray in eyes. NOT FOR USE IN OR AROUND RESIDENTIAL SITES.

IMPORTANT PRECAUTIONS: Do not apply to calves under 6 months old. After treating Dairy Cattle, wash the teats with an approved cleaning solution and then dry them prior to milking. Do not treat sick or convalescing animals. Do not treat Brahman or Brahman-Cross cattle, as they may show hypersensitivity to organophosphate insecticides. Do not apply dermally in conjunction with Trichlorfon and do not use on animals simultaneously or within a few days before or after treatment with, or exposure to, cholinesterase inhibiting drugs, pesticides or chemicals.

FOR BAITED SOLUTION, sugar may be added at the rate of 1 pound per gallon of the 1.0% solution. To use for control of Face Flies apply approximately 3 ml of this to the forehead of the animal by making a single 6 inch stroke with a paint brush. Treat in the morning while dairy animals are in the barn.

INDOOR PEST CONTROL

Re-entry Restrictions – Do not allow people or pets to enter the treated area until sprays have dried.

INDUSTRIAL PLANTS, WAREHOUSES, SILOS AND BULK BINS, FOOD/FEED PROCESSING PLANTS, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS AND NON-FOOD/FEED AREAS OF PROCESSING AND MANUFACTURING PLANTS.

USE IS PROHIBITED IN:

- Food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants) excluding non-food/feed manufacturing areas.
- Food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants) excluding non-food/feed processing areas.

AS A FOG OR MISTING

For Flies, Ants, Roaches and Silverfish make a 1.0% Fogging or Misting Solution by mixing 1 quart with 6 gals. of water or 7 gals. of diesel oil. Apply at the rate of 1 gallon of 1% fogging solution per 64,000 cubic feet (1 pint per 8,000 cubic feet). When fogging for control of roaches, ants and silverfish, the fog should be directed into hiding places.

For stored product insects including Indianmeal moth, red flour beetle, confused flour beetle, sawtoothed grain beetle, merchant grain beetle, cigarette beetle, drugstore beetle and granary weevil prepare a 5% Fogging or Misting Solution by mixing 5 quarts with 5 1/4 gals. of water or 6 1/4 gals. of diesel oil and apply at the rate of 0.8 to 1.6 fluid ounces per 1,000 cubic feet. One pint of the 5% Fogging or Misting Solution will treat 10,000 to 20,000 cubic feet. Keep a minimum of a 7-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.4 fluid ounces of product per 1,000 cubic feet of head space.

HOW TO APPLY- Apply with fogging or misting equipment at the rates given above. When using in food processing, handling and storage areas: A. Apply only when the building being treated is unoccupied, not in operation and when no food products are exposed. If bulk, unpackaged foods are exposed, remove or cover before treatment begins. B. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. Building treated must be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Do not make applications when temperatures are below 60°F. NOTIFICATION: Before the start of the application, post fumigant warning signs at all entrances to the building as directed in Posting and Re-entry Restrictions. After application open several windows and doors to create air currents to insure reduction of the insecticide vapors.

NOTE: The solvent and/or the active ingredient in this product may stain certain plastic, rubber, asphalt and/or carpeted floor coverings. DO NOT TREAT NOR ALLOW THIS PRODUCT TO COME IN CONTACT WITH SUCH SURFACES OF FLOORS, CARPETS OR RUGS SINCE DAMAGE MAY OCCUR.

STORAGE AND DISPOSAL

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

<u>PESTICIDE STORAGE:</u> Store product in original container in a cool, dry, locked place out of reach of children.

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 nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: [Metal and Plastic] Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. After cleaning, if recycling is not available, puncture and dispose of in a sanitary landfill or by incineration or if allowed by State and local authorities by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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