



1. Identification

Product identifier Fruit Fly BarPro Fly Strip
Other means of identification
 SDS number 194
Synonym(s) Fruit Fly BarPro Fly Strips

Recommended use Insecticide
Recommended restrictions Keep out of the Reach of Children!
Product registration number
 EPA 5481-348-87714

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name FFAWAY LLC
Address 452 Spangle Dr
 N Babylon, NY 11703 USA

Telephone 888-282-3079 toll free
 631-392-1974 fax

Website www.fruitflybarpro.com
E-mail info@fruitflybarpro.com
Emergency phone number Medical 888-681-4261
 CHEMTREC® (USA+Canada) 800-424-9300
 Product Use 888-462-6822
 CHEMTREC® (Outside USA) +1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Acute toxicity, oral Category 4
 Acute toxicity, inhalation Category 4
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2B
 Sensitization, skin Category 1
 Carcinogenicity Category 2
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 1
OSHA defined hazards Not classified.
Label elements



Signal word Warning
Hazard statement Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. Suspected of causing cancer. Very toxic to aquatic life.
Precautionary statement
 Prevention Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store in original unopened package until ready to use. Protect from extreme temperatures.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	United States Environmental Protection Agency Labeling Requirements: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

WARNING

May be fatal if swallowed. Do not taste or swallow. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes. Avoid contact with clothing. After prolonged storage, a small amount of liquid may form on strip. Do not get liquid in eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and launder contaminated clothing before reuse. Do not use in hospitals or clinic rooms, such as patient rooms, wards, nurseries, operating or emergency areas. Within homes, use only in closets, wardrobes and cupboards. Do not use in closets and wardrobes of rooms where infants, children and the sick or aged are or will be present for any extended period of confinement. Do not use in kitchens (except cupboards), restaurants or areas where food is prepared or served. Do not use in any area of the home where people will be present for extended periods of time. Not to be taken internally by humans or animals.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
DDVP (DICHLORVOS)		62-73-7	18.6 - < 20

Composition comments All concentrations are in percent by weight.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. these include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.

Indication of immediate medical attention and special treatment needed

Note to physicians:

This product contains an Organophosphate (OP) Insecticide. However, it is the opinion of the manufacturer/supplier, and their Occupational medical consultant, that any significant exposure to this OP insecticide is highly unlikely. Based upon the formulation of the pest strip the individual's contact with the OP is extremely limited by design. Therefore the examining physician should exercise prudent judgment in determining the causation of the patient's symptoms - taking care to not overlook multiple other etiologies of the patient's symptoms. Contact a local or national poison control center for more information. If it is established that OP poisoning has occurred, the following steps are recommended. Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minutes intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) 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 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 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. Avoid morphine, aminophylline, phenothiazine, reserpine, furosemide and ethacrynic acid. 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 very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test. Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed. Hydrogen chloride, carbon oxides and unidentified organic compounds may be formed when it is heated excessively or burned.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Evacuate area. Use water spray to cool unopened containers. Water runoff can cause environmental damage. Dike and collect extinguishing water.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Pick up strips for reuse or disposal. Wash thoroughly with soap and water after handling the strip. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Precautions for safe handling

Read label before use. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Store in original sealed package until use. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children. Keep away from food, drink and animal feedstuffs.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
DDVP (DICHLORVOS) (CAS 62-73-7)	PEL	1 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
DDVP (DICHLORVOS) (CAS 62-73-7)	TWA	0.1 mg/m3	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
DDVP (DICHLORVOS) (CAS 62-73-7)	TWA	1 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation

DDVP (DICHLORVOS) (CAS 62-73-7) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

DDVP (DICHLORVOS) (CAS 62-73-7) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

DDVP (DICHLORVOS) (CAS 62-73-7) Can be absorbed through the skin.

Appropriate engineering controls General ventilation normally adequate. Applicable for industrial settings only: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Not normally needed. If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Nitrile, butyl rubber or neoprene gloves are recommended.

Other Not normally needed.

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards Not applicable.

General hygiene considerations Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Solid.
Form Rectangular plastic strip.
Color Yellow

Odor Mild chemical odor

Odor threshold Not available.

pH Not applicable

Melting point/freezing point -76 °F (-60 °C) estimated

Initial boiling point and boiling range Not applicable

Flash point 175 °F (79 °C) estimated

Evaporation rate 10 - 100 mg/day of DDVP

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	1.00E-02 mm Hg (DDVP)
Vapor density	Heavier than air
Relative density	1.26
Solubility(ies)	
Solubility (water)	Negligible
Solubility (other)	This product is softened in aromatic and chlorinated solvents.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	68.66 lb/ft ³
Flammability class	Combustible IIIA estimated
Percent volatile	18.6 % v/v

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong acids. Oxidizing agents. Strong bases.
Hazardous decomposition products	No hazardous decomposition products are known. This product may emit hazardous fumes of hydrogen chloride, carbon oxides, and unidentified organic compounds when it is heated excessively or burned. WEAR SELF-CONTAINED BREATHING APPARATUS when these conditions are present.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Harmful if inhaled.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes eye irritation.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

This product is a Cholinesterase Inhibitor. Preexisting skin or respiratory disorders may be aggravated by exposure to components of this product. Preexisting conditions which lower cholinesterase levels increase vulnerability to cholinesterase depression. These include: (for plasma) chronic alcoholism; malnutrition; dermatomyositis; existing toxicity from exposure to carbon disulfide; benzalkonium salts, organic mercury compounds, ciguatoxins or solanines; and (for RBC) hemolytic anemia. Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.

Information on toxicological effects

Acute toxicity	Harmful if inhaled. Harmful if swallowed. May cause an allergic skin reaction.
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Product	Species	Test Results
Fruit Fly BarPro Fly Strip		
Acute		
Dermal		
LD50	Rabbit	27400 mg/kg (intact abdominal skin)
Oral		
LD50	female rat	382 mg/kg
	male rat	679 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Irritation Corrosion - Skin		
Fruit Fly BarPro Fly Strip		Result: Irritant Species: Rabbit
Serious eye damage/eye irritation	Causes eye irritation.	
Eye		
Fruit Fly BarPro Fly Strip		Result: Irritant Species: Rabbit
Respiratory or skin sensitization		
ACGIH Sensitization		
DDVP (DICHLORVOS) (CAS 62-73-7)		Dermal sensitization
Respiratory sensitization	Not available.	
Skin sensitization	May cause an allergic skin reaction.	
Sensitization		
Fruit Fly BarPro Fly Strip		Result: Possible sensitizer Species: Guinea pig
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Suspected of causing cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
DDVP (DICHLORVOS) (CAS 62-73-7)		2B Possibly carcinogenic to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
	Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not likely, due to the form of the product.	
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
12. Ecological information		
Ecotoxicity	Very toxic to aquatic life. This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters or wastes.	
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	No data available.	
Mobility in soil	No data available.	
Other adverse effects	None known.	
13. Disposal considerations		
Disposal instructions	Dispose of product and packaging in the trash. Wrap the strip in paper and place in a sealed plastic bag before putting it in the trash.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	Not applicable.	
Waste from residues / unused products	Unused products can typically be disposed in the trash. Dispose of in accordance with all applicable regulations.	

Contaminated packaging

As a household waste, the spent strip should be wrapped in paper, placed in a sealed plastic bag, and put into the trash. If large numbers of strips are to be discarded the local authorities or the EPA should be contacted to find out the current regulations. The empty package can be placed in the trash.

14. Transport information**DOT**

UN number	UN3077
UN proper shipping name	Environmentally hazardous substances, solid, n.o.s. (Dichlorvos), MARINE POLLUTANT
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33
Packaging exceptions	155
Packaging non bulk	213
Packaging bulk	240

IATA

UN number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Dichlorvos)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dichlorvos), MARINE POLLUTANT
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT; IATA; IMDG



Marine pollutant



General information

DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. This product is registered under EPA/FIFRA Regulations. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

DDVP (DICHLORVOS) (CAS 62-73-7) Listed.

SARA 304 Emergency release notification

DDVP (DICHLORVOS) (CAS 62-73-7) 10 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Table with 6 columns: Chemical name, CAS number, Reportable quantity, Threshold planning quantity, Threshold planning quantity, lower value, Threshold planning quantity, upper value.

DDVP (DICHLORVOS) 62-73-7 10 1000 lbs

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Table with 3 columns: Chemical name, CAS number, % by wt.
DDVP (DICHLORVOS) 62-73-7 18.6 - < 20

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

DDVP (DICHLORVOS) (CAS 62-73-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

DDVP (DICHLORVOS) (CAS 62-73-7)

US. New Jersey Worker and Community Right-to-Know Act

DDVP (DICHLORVOS) (CAS 62-73-7)

US. Pennsylvania Worker and Community Right-to-Know Law

DDVP (DICHLORVOS) (CAS 62-73-7)

US. Rhode Island RTK

DDVP (DICHLORVOS) (CAS 62-73-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

DDVP (DICHLORVOS) (CAS 62-73-7)

Listed: January 1, 1989

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	04-17-2015
References	ACGIH®: American Conference of Governmental Industrial Hygienists CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act EPA: Environmental Protection Agency FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act IARC: International Agency for Research on Cancer NTP: National Toxicology Program OSHA: Occupational Safety and Health Agency SARA: Superfund Amendments and Reauthorization Act TSCA: Toxic Substances Control Act DOT: Department of Transportation IMDG: International Maritime Dangerous Goods IATA: International Air Transport Association
Version #	01
Further information	Not available.
HMIS® ratings	Health: 2* Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 1 Instability: 0
Disclaimer	This information is provided for the limited guidance to the user. While AMVAC believes that the information is, as of the date hereof, reliable, it is the user's responsibility to determine the suitability of the information for its purposes. The user is advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist (like combinations with other materials), or because of applicable regulations. No express or implied warranty of merchantability or fitness for a particular purpose or otherwise is made hereunder with respect to the information or the product to which the information relates.
Revision Information	Product and Company Identification: Synonyms Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Toxicological Information: Toxicological Property Data Transport Information: Proper Shipping Name/Packing Group Regulatory Information: United States HazReg Data: North America GHS: Classification

