



# SAFETY DATA SHEET



## SECTION 1: IDENTIFICATION

**PRODUCT NAME:** AllPro Vectofos 1.5 ULV  
**EPA REG. NUMBER:** 53883-251-769

**MANUFACTURER:** Value Garden Supply  
**ADDRESS:** P.O. Box 585, St. Joseph, MO 64502  
**MANUFACTURER PHONE:** (888) 603-1008  
**MANUFACTURER FAX PHONE:** (952) 884-6149  
**EMERGENCY PHONE:** (800) 858-7378

**PRODUCT USE:** Adult mosquito control

## SECTION 2: HAZARD IDENTIFICATION

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** May be fatal if swallowed and enters airways. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.



**SYMBOLS:** Health Hazard, and Exclamation Mark.

### PRECAUTIONARY STATEMENTS:

- PREVENTION:** Do not breathe mists. Wash hands thoroughly after handling. Avoid breathing mist and spray. Use only outdoors in a well-ventilated area. Wear protective gloves and clothes, eye and face protection. Do not eat, drink or smoke when using this product.
- RESPONSE:** If swallowed: Immediately call a poison center. Do NOT induce vomiting. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center, if you feel unwell. If on skin: Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse.
- STORAGE:** Store locked up.
- DISPOSAL:** Dispose of contents at approved chemical waste disposal facility. Dispose of empty containers after triple rinsing, or according to label directions, in regular waste (see section 13 for specific instructions).

80% of this mixture consists of ingredients of unknown acute toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>
Chlorpyrifos	2921-88-2	19.36%
Petroleum Distillates	63741-89-5	<80%

A trade secret under 29 CFR 1200(i) is claimed for the remaining ingredients of this product.

\* All ingredients in quantities > 1.0 % (> 0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

## SECTION 4: FIRST AID MEASURES

**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 the eye. Call a poison control center or doctor for treatment advice.

**SKIN:** 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.

**INGESTION:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**INHALATION:** Get to Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

**IMPORTANT:** Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment advice.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.



# SAFETY DATA SHEET



## SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT:** 165.2°F

**AUTOIGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, or water fog

**SPECIAL FIRE FIGHTING PROCEDURES:** Foam systems are preferred. Use SCBA with full-face piece and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Possible toxic smoke, vapors, fallout and runoff water can result from fires.

Heated containers can rapidly pressurize/rupture.

**REACTIVITY/STABILITY:** Unstable at elevated temperatures. May release organic sulfides and HCl when burned. Hazardous polymerization will not occur.

<b>NFPA HAZARD CLASSIFICATION:</b>	<u>HEALTH</u> 2	<u>FIRE</u> 1	<u>REACTIVITY</u> 1	<u>SPECIAL</u> N/A	
<b>NFPA HAZARD RATING CODES:</b>	<u>INSIGNIFICANT</u> 0	<u>SLIGHT</u> 1	<u>MODERATE</u> 2	<u>HIGH</u> 3	<u>EXTREME</u> 4
<b>SPECIAL CODES:</b>	OX = oxidiser, SA = simple asphyxiant, W = reacts with water				

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** In case of spill or leakage, ventilate the area, wear chemical resistant gloves, and footwear. Retrieve and filter the liquid in some manner and use as directed on this label, or "soak-up" the liquid with absorbent material such as vermiculite, absorbant pads, sawdust, soil, fuller's earth, clay granules, etc. Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible. Wear goggles with splash protection or face shield, rubber gloves (nitrile, neoprene, laminated, or Viton), rubber boots, long sleeves and long pants to prevent contact with spilled product.

**SMALL SPILLS:** Cover spill with absorbent material, such as sand, sawdust, earth, etc.. Sweep up and place in an approved chemical waste container. Wash the spill area with water and detergent. Do not allow wash water into sewers or other bodies of water. Dispose of contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261.

**LARGE SPILLS:** Contain spill and prevent it from reaching sewers or surface waters. Cover spill with absorbent material. Sweep up and place in an approved chemical waste container. Wash the spill area with water and detergent. Do not allow wash water into sewers or other bodies of water. Dispose of contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261. Report all major spills and uncontrolled releases to proper local, state, and federal agencies. Reportable Quantity (RQ) – As a mixture, 5.165 pounds or 2/3 gal.

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Do not contaminate water, food or feed by storage or disposal. Store upright at room temperature. Avoid exposure to extreme temperatures. Store in well-ventilated, secure area, out of reach of children and animals. Do not store near food, beverages or tobacco products. Prevent eating, drinking, tobacco use, and cosmetics application in areas where there is a potential for exposure to this product. Always wash thoroughly after handling.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>	<u>OTHER</u>
Chlorpyrifos	2921-88-2	19.36%	NE	NE	0.1 mg/m <sup>3</sup> †	NE	NE
Petroleum Distillates	64741-89-5	<80%	NE	NE	NE	NE	NE

\* All ingredients in quantities > 1.0 % (> 0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions

† Inhalable fraction and vapor

N/A = not applicable NE = not established

**ENGINEERING CONTROLS:** Ground applicators must use an enclosed cab that has a nonporous barrier that totally surrounds the occupants and prevents contact with pesticides outside the cab. Applicators must be provided and have immediately available for use in an emergency when they exit the cab in the treated area: coveralls, chemical resistant gloves, and a respirator of the type specified in the PPE section of this labeling. Take off any PPE that was worn in the treated area before reentering the cab and store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab. Mixers and loaders involved in aerial application must use a closed system designed by the manufacturer to enclose the pesticide to prevent it from contacting handlers or other people and which is used and maintained in accordance with the manufacture's written operating instructions. Mixers and loaders using a closed system must wear protective eyewear if the system operates under pressure, and must have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown coveralls, chemical-resistant gloves, chemical-resistant footwear, chemical-resistant apron and a respirator of the type specified below.

**EYE PROTECTION:** Goggles for splash protection, or face shield.

**SKIN PROTECTION:** All mixers and loaders involved in ground application must wear coveralls over long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, and a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval



## SAFETY DATA SHEET



number prefix TC21C or a NIOSH-approved respirator with any R, P, or HE filter. Applicators involved in ground ULV application must use an enclosed cab as described in the Engineering Controls Section and must wear long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves. Aerial applicators and pilots must use an enclosed cockpit and wear long-sleeved shirt, long pants, shoes, and socks.

**WORK HYGIENIC PRACTICES:** User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. 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.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Light straw colored liquid  
**ODOR:** Petroleum odor  
**ODOR THRESHOLD:** NE  
**PHYSICAL STATE:** Liquid  
**BOILING POINT:** NE  
**MELTING POINT:** N/A  
**FLAMMABILITY:** NE  
**VISCOSITY (cSt at 40°C):** NE  
**WATER SOLUBILITY:** Negligible  
**DECOMPOSITION TEMPERATURE:** NE  
**EVAPORATION RATE (BuAc = 1):** NE

**VAPOR PRESSURE (mmHg at 20°C):** <1  
**VAPOR DENSITY (AIR = 1):** >1  
**pH:** N/A  
**SPECIFIC GRAVITY:** 0.93  
**DENSITY:** 0.93g/ml  
**FLASH POINT:** 165.2°F  
**AUTO IGNITION:** NE  
**LEL/UEL:** NE  
**OTHER SOLUBILITIES:** Miscible in oil  
**PARTITION COEFFICIENT (n-octanol/water):** NE  
**% VOLATILE BY VOLUME:** NE

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### SECTION 10: STABILITY AND REACTIVITY

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**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Temperatures over 120°F

**INCOMPATIBLE MATERIALS:** Strong oxidizers

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**ACUTE ORAL EFFECTS:** Oral LD50: >500 to <5,000 mg./kg. Chlorpyrifos is a cholinesterase inhibitor.

**ACUTE RESPIRATORY EFFECTS:** Contains petroleum distillates, which create an aspiration hazard.

**ACUTE DERMAL EFFECTS:** Dermal LD50: >5,000 mg/kg. Chlorpyrifos can be absorbed through the skin.

**EYE EFFECTS:** Minimally irritating.

**CARCINOGENICITY:** Chlorpyrifos is not classified as a human carcinogen. The solvent is not carcinogenic according to the OSHA Hazard Communication Standard.

**TERATOGENICITY (birth defects):** N/A.

**REPRODUCTIVE TOXICITY:** N/A.

**MUTAGENICITY (genetic effects):** N/A.

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### SECTION 12: ECOLOGICAL INFORMATION

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#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material beyond the body of water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes, or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.



## SAFETY DATA SHEET



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### SECTION 13: DISPOSAL CONSIDERATIONS

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**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility. **Container Disposal: For Containers equal to or less than 5 Gallons :** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **For Containers greater than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the 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. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

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### SECTION 14: TRANSPORT INFORMATION

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\***DOT SHIPPING NAME:** UN3082, Environmentally Hazardous Substance, Liquid, NOS (contains chlorpyrifos), 9, PGIII, (RQ, chlorpyrifos)

\* U.S. Department of Transportation

**IATA:** UN3082, Environmentally Hazardous Substance, Liquid, NOS (contains chlorpyrifos), 9, PGIII, Marine Pollutant, (RQ, chlorpyrifos)

**IMDG:** UN3082, Environmentally Hazardous Substance, Liquid, NOS (contains chlorpyrifos), 9, PGIII, Marine Pollutant, (RQ, chlorpyrifos)

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### SECTION 15: REGULATORY INFORMATION

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**U.S. FEDERAL REGULATIONS:** This chemical is a pesticide product registered by the United States Environmental Protections Agency and is subject to certain labeling requirements under federal pesticide law. The 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.

**CAUTION.** Harmful if swallowed. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**SECTION 302/TPQ:** Not regulated under section 302.  
**(emergency planning)**

**SECTION 304/TPQ:** Not regulated under section 304.  
**(release notification)**

**SARA TITLE III:** Section 311/312: Acute Health Hazard; Delayed Health Hazard; Fire Hazard; Section 313 chemicals: chlorpyrifos (CAS # 2921-88-2)

**CERCLA:** RQ for chlorpyrifos is 1 pound. As a mixture: RQ=5.165 pounds or 2/3 gallon. Report all qualifying releases to proper local, state and Federal agencies.

**RCRA:** Not a RCRA hazardous waste.

**CAA TQ:** Not regulated under the CAA.

**INDIVIDUAL STATES:** N/A

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### SECTION 16: OTHER INFORMATION

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This information is provided in good faith, but without express or implied warranty. For additional information, refer to the current American Conference of Governmental Industrial Hygienists (ACGIH) documentation for Threshold Limit Values (TLVs) for individual components, current American Industrial Hygiene Association (AIHA) documentation for Workplace Environmental Exposure Levels (WEELs), and the current U.S. DOT Emergency Response Guidebook.