



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AllPro ProVect 4E Larvicide
EPA REG. NUMBER: 769-678
PRODUCT NUMBER: 50060, 50061,50062,50063

MANUFACTURER: Value Garden Supply
ADDRESS: P.O. Box 585, St. Joseph, MO 64502
WEBSITE: www.allprovector.com

MANUFACTURER PHONE: (888) 603-1008
MANUFACTURER FAX PHONE: (952) 884-6149
MEDICAL EMERGENCY PHONE: (800) 858-7378
CHEMTREC PHONE: (800) 424-9300

PRODUCT USE: For Control of Mosquito Larvae

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<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>
Temephos	3383-96-8	49.8	N/A	N/A	10mg/m ₃	N/A
*Inert Ingredients	N/A	50.2	NE	NE	NE	NE

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

N/A = not applicable NE = not established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Hazards to human and domestic animals

POTENTIAL HEALTH EFFECTS: ProVect is slightly irritating to eyes, a mild skin irritant but not a dermal sensitizer.

CARCINOGENICITY: OSHA, NTP, or IARC does not list Temephos as a human carcinogen.

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 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 so 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.

INHALATION: 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.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Contains an Organophosphate that inhibits cholinesterase. This product may inhibit activity of cholinesterase. Atropine is antidotal. Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine.



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All other mixers, loaders, applicators and other handlers must wear:

- Cloth coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear (if overhead exposure)

In addition loaders and cleaners of equipment must wear:

- Chemical resistant apron.

In addition loaders supporting aerial applications and loader/applicators using a backpack power blower on tire pile sites must wear: A NIOSH-approved dust mist filtering respirator with NSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Brown Liquid

VAPOR PRESSURE (mmHg): N/A

ODOR: Mercaptan like Odor

VAPOR DENSITY (AIR =): N/A

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 1.0699 mg/ml (25C)

BOILING POINT: N/A

BULK DENSITY: 80-90lbs per cubic foot

MELTING POINT: N/A

pH: 5.0 to 5.5

FREEZING POINT: N/A

AUTO IGNITION: N/A

WATER SOLUBILITY: Emulsifies

VOLITILITY (BY VOLUME): 40%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Strong alkalis and strong oxidizing agents. Thermal decomposition may produce oxides of carbon, phosphorus, and sulfur. Avoid temperatures above 45°C (113°F).

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Rat (male), Oral, LD₅₀ = 5247 mg/kg - Rat (female), Oral, LD₅₀ = 3410 mg/kg

ACUTE DERMAL EFFECTS: Dermal, LD₅₀ = 4197 mg/kg

ACUTE INHALATION: Rat (4hr) Inhalation, >6.797 mg/l

CARCINOGENICITY: None listed per OSHA, NTP, or IARC.

EYE EFFECTS: Slightly irritating to eyes

NOTE TO CONSUMERS: ProVect has relatively low to moderate acute toxicity. It is moderately acutely toxic by the oral and dermal route, and has low toxicity through inhalation. ProVect is slightly irritating to eyes, a mild skin irritant but not a dermal sensitizer. May be harmful if swallowed. Avoid breathing dust. Avoid contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Do not contaminate food or feed products.



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: ProVect is categorized as slightly to moderately toxic to freshwater fish on an acute basis. The risk Quotients derived from the current freshwater fish acute toxicity studies for ProVect Granular Products do not exceed the levels of concern for fresh water fish species. Field data indicate that there is very little, if any impact on birds. ProVect is highly toxic to freshwater and marine/estuarine aquatic invertebrates.

ENVIRONMENTAL FATE: NE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: ProVect can be destroyed by co-disposal burial in a landfill. It is essential that only properly designed and managed public landfill sites of a suitable standard for special wastes are used and that the co-disposal is a part of the accepted commercial operation.

PACKAGING DISPOSAL: Completely empty the container by shaking and tapping sides and bottom. Offer for disposal in a sanitary landfill approved for pesticide container disposal, or incinerate in permitted by local ordinance.

SECTION 14: TRANSPORT INFORMATION

***DOT HAZARD DESCRIPTION**

PROPER SHIPPING NAME: Agricultural Insecticide, N.O.I

DOT HAZARD CLASSIFICATION: Non-Hazardous

(*) U.S Department of Transportation

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: N/A

SARA TITLE III SECTION 313: Non-Reportable

SARA HAZARD CATEGORY: N/A

Immediate Health Hazard: Y
Delayed Health Hazard: N
Fire Hazard: N
Reactive Hazard: N
Sudden Pressure Release Hazard: N
Section 302 Extremely Hazardous Substances: None
Section 313 Toxic Chemicals: None
CERCLA Reportable Quantity: None

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

OSHA HAZARD COMMUNICATION STANDARD: N/A

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND):
N/A

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.