



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AllPro ProVect 1G Larvicide
EPA REG. NUMBER: 769-723
PRODUCT NUMBER: 50010, 50011, 50012

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	1.0%	N/A	N/A	10mg/m ₃	N/A
Inert Ingredients	N/A	99.0%	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: CAUTION

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.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: N/A

FLASH POINT: N/A



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AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, halon, water spray or standard foam can be used as fire fighting media. Extinguish using an agent suitable for the surrounding fire. Use as little water as possible. Use spray or fog - solid stream may cause spreading.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing dusts, vapors and fumes from burning materials. Although the pesticide is adsorbed on nonflammable granules, toxic fumes may be released. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Decontaminate emergency personnel with soap and water before leaving the fire area.

NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> 2	<u>FIRE</u> 0	<u>REACTIVITY</u> 0	<u>SPECIFIC</u> 0	
NFPA HAZARD RATING CODES:	<u>INSIGNIFICANT</u> 0	<u>SLIGHT</u> 1	<u>MODERATE</u> 2	<u>HIGH</u> 3	<u>EXTREME</u> 4

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Shut off all ignition sources. Wear suitable protective clothing and gloves. Use appropriate containment to avoid environmental contamination. Sweep or shovel - up spillage into a closed metal container. Seek specialist advice.

CONTAINMENT: Do not allow water to escape into waterways or sewers.

REGULATORY REQUIREMENTS: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in a secure, dry, well-ventilated separate room, building or covered area. Keep away from sources of ignition and protect from exposure to fire and heat. Segregate from oxidizers and incompatible materials listed in section 10.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Pilots must use an enclosed cockpit and must wear chemical resistant gloves when entering or leaving an aircraft contaminated by pesticide residues. Used gloves must be stored in a closed chemical resistant container, such as a plastic bag, to prevent contamination of the inside of the cockpit.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

WORKER PROTECTION STANDARDS: Some materials that are chemical-resistant to this product are butyl rubber. If you want more options, follow the instructions for category F, H, K, L on an EPA chemical-resistance category selection chart.

Loaders, and applicators involved in backpack blower application to sites other than tire piles must wear:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical resistant gloves

Aerial applicators and flaggers must wear:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical resistant headgear (flaggers only)

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.



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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: Brown/Gray Granules

VAPOR PRESSURE (mmHg): N/A

ODOR: Mercaptan like Odor

VAPOR DENSITY (AIR =): N/A

PHYSICAL STATE: Solid

SPECIFIC GRAVITY: N/A

BOILING POINT: N/A

BULK DENSITY: 80-90lbs per cubic foot

MELTING POINT: N/A

PARTICAL SIZE: N/A

FREEZING POINT: N/A

AUTO IGNITION: N/A

WATER SOLUBILITY: Negligible

VOLITILITY (BY VOLUME): 1%

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.

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



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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/A
Fire Hazard: N/A
Reactive Hazard: N/A
Sudden Pressure Release Hazard: N/A
Section 302 Extremely Hazardous Substances: N/A
Section 313 Toxic Chemicals: N/A
CERCLA Reportable Quantity: N/A

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.