



SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

PRODUCT NAME: AllPro Evoluer 4-4 ULV
EPA REG. NUMBER: 769-982
PRODUCT NUMBER: 51040, 51045

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: For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

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).

90% of this mixture consists of ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS*:	CAS NO.	% WT
Permethrin	52645-53-1	4%
Piperonyl Butoxide	51-03-6	4%
Mineral Oil	64741-89-5	<90%

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 eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 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: Get to fresh air. Call a poison control center or doctor for treatment advice.

IMPORTANT: Have this product label with you when calling a poison control center or doctor or when going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.



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SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: 200°F

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, or ware fog

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential personnel from the area to prevent exposure to fire, smoke, fumes, or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Smother to exclude air. Do not use water. Handle as an oil fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

NFPA HAZARD CLASSIFICATION: HEALTH FIRE REACTIVITY SPECIAL
1 0 0 N/A

NFPA HAZARD RATING CODES: INSIGNIFICANT SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

SPECIAL CODES: 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 sawdust, soil, fuller's earth or, etc. 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.

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.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not contaminate water, food or feed by storage or disposal. Store upright at room temperatures. Do not expose 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. Do not contaminate water, food or feed by storage or handling. Store containers upright at room temperature. Avoid extreme temperatures.

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>
Permethrin	52645-53-1	4%	NE	NE	NE	NE	NE
Piperonyl Butoxide	51-03-6	4%	NE	NE	NE	NE	NE
Mineral Oil	64741-89-5	<90%	NE	NE	NE	NE	NE

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

† AIHA WEEL 8 hour TWA or NIOSH REL 8 hour TWA

N/A = not applicable NE = not established

ENGINEERING CONTROLS: Engineering Controls: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

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

SKIN PROTECTION: Some Materials that are chemical-resistant to this product are nitrile and neoprene. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart. Mixers, applicators, and other handlers must wear: Long-sleeve shirt and long pants; shoes plus socks; chemical-resistant gloves for all handlers (except for applicators using motorized ground equipment, pilots, and flaggers); chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate. 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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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. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear amber liquid	VAPOR PRESSURE (mmHg at 20°C): <1
ODOR: Slight solvent and licorice	VAPOR DENSITY (AIR = 1): >1
ODOR THRESHOLD: N/A	pH: N/A
PHYSICAL STATE: Liquid	SPECIFIC GRAVITY: 0.842-0.846
BOILING POINT: NE	DENSITY: 0.842-0.846g/ml
MELTING POINT: N/A	FLASH POINT: 200°F
FLAMMABILITY: N/A	AUTO IGNITION: N/A
VISCOCITY (cSt at 40°C): NE	LEL/UEL: N/A
WATER SOLUBILITY: will not mix with water	OTHER SOLUBILITIES: Miscible in oil
DECOMPOSITION TEMPERATURE: N/A	PARTITION COEFFICIENT (n-octanol/water): N/A
EVAPORATION RATE (BuAc = 1): NE	% VOLATILE BY VOLUME: NE

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Temperatures over 120°F

INCOMPATIBLE MATERIALS: Strong oxidizers

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Oral LD50 (Rat): >500 to <5,000 mg./kg. (female) >5,000 mg./kg. (male)

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

ACUTE DERMAL EFFECTS: Dermal LD50 (Rat): >2,000 mg/kg. Permethrin is a skin sensitizer in some individuals.

EYE EFFECTS: Minimally irritating

CARCINOGENICITY: Permethrin: A statistically significant increase of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day over 85 weeks. Piperonyl Butoxide: Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures. The significance of this observation is questionable and under review. The doses at which tumors were observed greatly exceeded human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that piperonyl butoxide would result in carcinogenic effects. IARC has also concluded that there is no evidence for the carcinogenicity of white oils when administered by routes other than by interperitoneal injection. The solvent is not carcinogenic according to the OSHA Hazard Communication Standard.

TERATOGENICITY (birth defects): Permethrin and Piperonyl Butoxide were not teratogenic when tested in rats.

REPRODUCTIVE TOXICITY: Permethrin and Piperonyl Butoxide were not reproductive toxins when tested in rats.

MUTAGENICITY (genetic effects): Permethrin and Piperonyl Butoxide did not produce any mutagenic effects when tested in the Ames test.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift



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from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

Under some conditions, it may also have a potential for transport into surface water runoff (primarily adsorbed to suspended soil particles), for several months or more after application. These include poorly drained or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlying tile drainage systems that drain to surface waters.

Bee Warning: This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift on blooming crops or weeds while bees are actively visiting the treatment areas, 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.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the resulting chemical waste as follows. Pesticide Disposal: Pesticide, spray mixture or rinsate water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. **Triple Rinse as Follows-Containers 5 gallons or less in capacity:** Do not reuse or refill this container. Triple rinse or pressure rinse 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 container 1/4 full with mineral oil 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. **Containers greater than 5 gallons in capacity:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with mineral oil. 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. **Pressure Rinse as Follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

SECTION 14: TRANSPORT INFORMATION

*DOT SHIPPING NAME: N/A

* U.S. Department of Transportation

IMO: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: 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. 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 or absorbed through the skin, or inhaled. Avoid contact with skin, eyes 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. Remove contaminated clothing and wash before reuse.

SARA TITLE III: Section 311/312: Acute Health Hazard – Yes; Chronic Health Hazard – Yes; Fire Hazard – No; Sudden release of pressure hazard – No; Reactivity hazard – No; Section 313 chemicals: Permethrin (4%) (CAS # 52645-53-1), Piperonyl Butoxide (4%) (CAS # 51-03-6)

CERCLA: N/A

INDIVIDUAL STATES: 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 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.