

**SECTION 1: IDENTIFICATION**

**PRODUCT NAME:** AllPro Aqualuer 20-20  
**EPA REG. NUMBER:** 769-985  
**PRODUCT NUMBER:** 51040, 51041, 51042, 51043, 51044

**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**

**HAZARD CLASSIFICATION(S):** Corrosive to skin and eyes, acutely toxic if ingested or inhaled, skin sensitizer, aspiration hazard, and combustible liquid.

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Causes severe skin and eye damage. May be fatal if swallowed and enters airways. Harmful if swallowed.



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

**PRECAUTIONARY STATEMENTS:**

- PREVENTION:** Do not breathe mists. Wash hands thoroughly after handling. 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 control center or doctor. Rinse mouth. Do NOT induce vomiting. If on skin, take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. 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.
- 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).

35% of this mixture consists of ingredients of unknown acute toxicity.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>INGREDIENTS*:</b>	<b>CAS NO.</b>	<b>% WT</b>
Permethrin	52645-53-1	20.6%
Piperonyl Butoxide	51-03-6	20.6%
d-Limonene	5989-27-5	0-35%
Mineral Oil	64741-89-5	0-38%

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 of contaminated clothing and rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a poison control center or doctor for treatment advice. Have person sip a glass of water, if able to swallow. Do NOT induce vomiting, unless told to do so by a poison control center or doctor. 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.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Probable mucosal damage may contraindicate the use of gastric lavage.



# SAFETY DATA SHEET



## SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT:** 135°F

**AUTOIGNITION TEMPERATURE:** N/A

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

**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.

<b>NFPA HAZARD CLASSIFICATION:</b>	<u>HEALTH</u> 1	<u>FIRE</u> 2	<u>REACTIVITY</u> 0	<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:** 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:** 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	20.6%	NE	NE	NE	NE	NE
Piperonyl Butoxide	51-03-6	20.6%	NE	NE	NE	NE	NE
d-Limonene	5989-27-5	0-35%	NE	NE	NE	NE	30ppm
Mineral Oil	64741-89-5	0-38%	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:** When product is being applied by airplane, 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 the use of the global positioning system (GPS) of mechanical flaggers.

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

**SKIN PROTECTION:** Chemical resistant gloves (nitrile, neoprene, laminated, or Viton), rubber boots, long sleeves, long pants, and apron.

**WORK HYGIENIC PRACTICES:** Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove PPE immediately if product gets inside. Remove clothing immediately if contaminated, then wash thoroughly and put on clean clothing. Remove PPE after handling product. Wash outside of gloves before removing. Wash or dispose of contaminated PPE with hot water and detergent, separately. Dispose of clothing or other absorbent material that is heavily contaminated with product. Do not reuse.



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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b> Light yellow/orange liquid	<b>VAPOR PRESSURE (mmHg at 20°C):</b> 2
<b>ODOR:</b> Slight orange citrus odor	<b>VAPOR DENSITY (AIR = 1):</b> >1
<b>ODOR THRESHOLD:</b> N/A	<b>pH:</b> N/A
<b>PHYSICAL STATE:</b> Liquid	<b>SPECIFIC GRAVITY:</b> 0.842-0.846
<b>BOILING POINT:</b> 349°F (176°C)	<b>DENSITY:</b> 0.842-0.846g/ml
<b>MELTING POINT:</b> N/A	<b>FLASH POINT:</b> 135°F
<b>FLAMMABILITY:</b> N/A	<b>AUTO IGNITION:</b> 455°F
<b>VISCOCITY (cSt at 40°C):</b> 13	<b>LEL/UEL:</b> N/A
<b>WATER SOLUBILITY:</b> Miscible in water	<b>OTHER SOLUBILITIES:</b> Miscible in oil
<b>DECOMPOSITION TEMPERATURE:</b> N/A	<b>PARTITION COEFFICIENT (n-octanol/water):</b> N/A
<b>EVAPORATION RATE (BuAc = 1):</b> 0.2	<b>% VOLATILE BY VOLUME:</b> 98%

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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 (Rat): >5,000 mg./kg. (female) >5,000 mg./kg. (male)

**ACUTE RESPIRATORY EFFECTS:** 4-hour LC50 (Rat): >2.02 mg/l. 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. Limonene can cause severe damage to skin.

**EYE EFFECTS:** Limonene can cause severe damage to eyes.

**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.

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### SECTION 12: ECOLOGICAL INFORMATION

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#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. 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 away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsewater or washwaters.



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**Bee Warning:** This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to blooming crops or weeds while bees are 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.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Do not contaminate water food or feed by storage or disposal.

**Product 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: 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 reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Triple Rinse as Follows -**

**Containers 5 gallons or less in capacity:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill container  $\frac{1}{4}$  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. **Containers greater than 5 gallons in capacity:** Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  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. **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.

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### SECTION 14: TRANSPORT INFORMATION

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\***DOT SHIPPING NAME:** Terpene Hydrocarbons, n.o.s., (d-Limonene), 3, UN2319, PGIII

**HAZARD CLASS:** 3

**IDENTIFICATION NUMBER:** UN2319

**PACKAGING GROUP:** III

\* U.S. Department of Transportation

**IMO:** UN2319, Terpene Hydrocarbons, n.o.s., (d-Limonene), 3, PGIII

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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.

Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**SARA TITLE III:** N/A

**CERCLA:** N/A

**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.