

2013-06-25

2012-4592

ALTOSID® LIQUID LARVICIDE

CONCENTRATE Suspension

MOSQUITO GROWTH REGULATOR

PREVENTS ADULT MOSQUITO EMERGENCE

RESTRICTED

POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: (S)-Methoprene 20%

Formulation contains 205.2 g/L active ingredient

**USE OF THIS PRODUCT IS LIMITED TO PUBLIC HEALTH OFFICIALS,
MOSQUITO ABATEMENT OFFICIALS AND OTHER TRAINED PERSONNEL**

REGISTRATION NO. 28070 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 9.46 L

**Wellmark International
100 Stone Road West, Suite 111
Guelph, Ontario N1G 5L3
1 800 688-7378**

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

NATURE OF RESTRICTIONS

This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits which may be required.

GENERAL INFORMATION

ALTOSID LIQUID LARVICIDE (A.L.L.) prevents emergence of adult floodwater mosquitoes, including *Aedes*, *Ochlerotatus*, *Anopheles*, and *Psorophora* spp. ALTOSID LIQUID LARVICIDE (A.L.L.) must be applied to 2nd, 3rd, or 4th larval instars of floodwater mosquitoes to prevent adult emergence. Treated larvae continue normal development to the pupal stage when they die. This insect growth regulator has no effect when applied to pupae or adult mosquitoes. ALTOSID LIQUID LARVICIDE (A.L.L.) is effective at the recommended rate when applied to larval stages under varying field conditions. Do not apply in areas where foliage canopy will prevent penetration to the water surface.

INSTRUCTION FOR USE – MIXING INSTRUCTIONS

1. SHAKE WELL BEFORE USING. ALTOSID LIQUID LARVICIDE (A.L.L.) may separate on standing and must be thoroughly agitated prior to dilution.
2. Do not mix with oil; use clean equipment.
3. Partially fill spray tank with water; then add the recommended amount of ALTOSID LIQUID LARVICIDE (A.L.L.); agitate and complete filling. Mild agitation during application is desirable.
4. Spray solution should be used within 48 hours; always agitate before spraying.

METHODS AND RATES OF APPLICATION

Aerial Application Label Instructions

Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions: Apply only when meteorological conditions at the treatment site allow for complete and even coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial Territorial Committee on Pest Management and Pesticides. Avoid drifting of spray onto non-target areas. Specified buffer zones should be observed. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist).

Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift.

Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or non-target aquatic habitat.

Operator Precautions: Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions: Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1 800 263-2740 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Aerial: Use 73 mL of ALTOSID LIQUID LARVICIDE (A.L.L.)/ha in sufficient water to give complete coverage. Five (5) to forty-five (45) litres of spray solution per hectare is usually satisfactory. Do not apply when weather conditions favour drift from areas treated.

Ground: Determine the average spray volume used per hectare by specific equipment. Mix 73 mL ALTOSID LIQUID LARVICIDE (A.L.L.)/ha in the appropriate volume of water to provide complete coverage.

SITES OF APPLICATION

Typical floodwater sites include pastures, fields, freshwater swamps and marshes, woodland pools and meadows, dredging soils sites, drainage areas, waste treatment and setting ponds, ditches, and other natural and manmade depressions.

ENVIRONMENTAL HAZARDS

DO NOT apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. **TOXIC** to aquatic organisms.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Potential skin sensitizer. May cause moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear chemical resistant gloves when handling and/or applying this product. Use of safety glasses / face shield, etc., while handling or applying product is strongly recommended. Wash thoroughly with soap and water after handling and before eating or smoking. Do not contaminate food, feed or water bodies by the storage or disposal of product or by the cleaning of equipment.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings. **DO NOT** apply this product to any body of water that is intended for swimming.

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor immediately 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 centre or doctor. Do not give anything by mouth to an unconscious person.

IF IN 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 centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: 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 centre or doctor for further treatment advice.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Store in a cool place away from food, feed or other pesticides.

DISPOSAL: Do not re-use empty container. Triple- or pressure-rinse the empty container and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

For information or in case of emergency, call 1-800-688-7378 or visit our web site www.altosid.com.

ALTOSID is a registered trademark and A.L.L. is a trademark of Wellmark International.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.