

# First Watch™

## First Watch™ Mosquito Larvicide & Pupicide

Monomolecular Surface Film for Control of Immature Mosquitoes and Midges

**Use On:** Ponds, Pools, Ditches, Irrigation Water, Flood Water Areas and Other Areas Where Mosquitoes Breed and Develop

### Principal Functioning Agents

Poly(oxy-1,2-ethanediyl),  $\alpha$ -isotadecyl-*w*-hydroxyl.....100.0%  
Total.....100.0%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### Precautionary Statements

- Hazard to humans and domestic animals.
- Avoid contact with skin, eyes or clothing.
- Wash thoroughly with soap and water after handling.

### First Aid Treatment

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If On Skin Or Clothing:** 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.

**If In Eyes:** Hold eye open and rinse slowly and gently with plenty of water for 15 to 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.

### General Information/Application Sites

First Watch is for the control of immature mosquitoes and midges in areas where they breed and develop. First Watch may be used in habitats including potable water and irrigation waters, permanent and semi-permanent waters, irrigated crop lands and pastures, and waters with outlets to natural water bodies. The following habitats provide examples of where the product can be applied but is not intended to be all inclusive.

**Polluted Waters:** Sewage lagoons, percolation ponds, animal waste effluent lagoons, septic ditches, waste treatment facility areas, etc.

**Residential Areas:** Ponds, storm water basins, tree holes, rain barrels, landscape and ornamental ponds, tires, storm drains, stationary flower pots, pot holes, gutters, tarps, potable water containers and residential areas where water accumulates and provides ideal breeding habitats for mosquitoes or midges.

**Fresh and Brackish Waters:** Fresh water and salt marshes, ponds, lakes, storm water, drainage systems and retention & detention basins, roadside ditches, grassy swales, flooded fields and pastures, potable water containers, reservoirs, irrigated croplands, temporary and semi-permanent woodland pools, tidal water, and other areas where water accumulates.

### Application Notes

**Rate of Kill:** The rate of kill when using First Watch is dependent on the species, life stage, habitat and temperature. Pupicidal action will typically result in 24 hours. Larvicidal action will usually result in 24 to 96 hours. If the film is present, control will be achieved.

**Persistence:** First Watch film typically persists on the water's surface for 5 to 22 days. Polluted waters will cause more rapid degradation of the film. Higher application rates will prolong film life and extend the interval between re-treatment.

**Species:** Mosquitoes and midges that require little or no surface contact for breathing will be affected by the product during the pupa and emerging adult life stages.

**Spray Tank:** Thoroughly clean the spray system of contaminants such as petroleum oils, water, detergents and conventional toxicants prior to adding First Watch. Detergents will destroy the film-forming of First Watch; other contaminants (water and oil) will result in the formation of an unsprayable paste.

**Wind:** The high end of the dosage rate is recommended when spraying habitats where multi-directional winds of 10 mph (16 km/hr) or greater are expected to persist. While the film will be pushed by the winds, it will respread quickly once the winds have subsided. If persistent unidirectional winds of 10 mph (16 km/hr) or greater are expected, the displacement of the surface film may result in poor control.

**Dilution:** First Watch is typically applied to the water's surface without dilution. Do not dilute product with water or other products.

**Expanding Waters:** Significant expansion of the habitat's surface area due to rain or tidal fluxes can be compensated for by using a dosage that is based on the largest expected surface area. This will ensure complete coverage, and eliminate the need for re-treatment of the flooded area.

EPA Reg. No. 53263-28-45989  
EPA Est. No. 70815-GA-001

### Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. To be used in governmental mosquito control programs, by professional pest control operators, by homeowners or in other mosquito/midge control operations.

### Application Directions

This product may be applied by both ground and aerial applications. To use, calculate the desired rate of First Watch based on water surface area. The water depth is not a factor in rate determination. Spray the desired rate of First Watch onto the surface of the water. No dilution is required and a fan spray is recommended. First Watch will spread to cover hard-to-access areas. For large areas with dense vegetation, it is recommended that application is made in several locations to assist in the spreading action. Do not pour or inject a stream spray directly into water.

First Watch is not visible on the surface of the water. Excess First Watch on the water surface will form a white globule.

### Application Rates

Mosquito Habitat	Suggested Range of First Watch
Fresh and Brackish Water*	0.2-1.0 gallons/acre (2-10 liters/hectare)
Polluted Water**	0.35-1.0 gallons/acre (3.5-10 liters/hectare)
Midge Habitat	Suggested Range of First Watch
Fresh and Polluted Water <sup>^</sup>	0.5-1.0 gallons/acre (5-10 liters/hectare)

\* The lower rate (0.2 gallon/acre) is recommended when only pupa control is desired and in sites with no emergent vegetation and low organic content. Use higher rates when emergent or surface vegetation is present, due to the wicking action of the product. The more vegetation or the drier the vegetation, the higher the required rate.  
\*\* Use higher rates in polluted water habitats for effective control.  
<sup>^</sup> Reapplication is recommended every two weeks during the midge season.

For information on this pesticide product (including health) concerns, medical emergencies or pesticide incidents, call the National Pesticide Telecommunication Network at 1-800-858-7378.

### Storage and Disposal

**Do not contaminate water, food or feed by storage or disposal.**

**Pesticide Storage:** Do not allow storage containers to rust. Rust contamination may clog spray nozzles. Do not allow product to freeze.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse, then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities.

### Approved For Aquatic Use

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.*



First-Watch is a trademark of KALO, Inc.

### CONDITIONS OF SALE, LIMITED WARRANTY, AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded. The directions of this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of KALO, Inc., the manufacturer or seller. In addition, failure to follow label directions may cause injury to crops, animals, workers or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at KALO, Inc.'s election, one of the following:

1. Refund of the purchase price paid by buyer or user for product purchased, or,
2. Replacement of the product used.

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company, the manufacturer and seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.



**KALO, Inc.**  
13200 Metcalf Ave., Suite 250, Overland Park, KS 66213  
800-255-5196 • www.kalo.com

Scan QR Code to open KALO's Labels & SDS page on www.kalo.com