

MAIN PANEL

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**POISON**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



***Aqua-K-Othrine***<sup>®</sup>

**INSECTICIDE SPACE-SPRAY CONCENTRATE**

**ACTIVE CONSTITUENTS: 20 g/L DELTAMETHRIN**  
**SOLVENT: 250 g/L HYDROCARBON LIQUID**

**GROUP 3A INSECTICIDE**

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A pyrethroid based insecticide concentrate for use as a space-spray for the control of adult mosquitoes and flies.

Shake well before use.

**IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USE**



(Label code)

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\* 500 mL, 1 L and 10 L

REAR PANEL ATTACHED TO CONTAINER (Rear base label)**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product. Do not re-use container for any other purpose.

**SAFETY DIRECTIONS**

Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes and skin. Do not inhale spray mist. Ensure adequate ventilation during use. When opening the container, mixing and loading, preparing spray and using spray wear chemical resistant gloves and face shield or goggles. When using in enclosed areas, wear elbow length chemical resistant gloves and full face-piece respirator. If product in eyes wash it out immediately with water. Avoid re-entry for 4 hours after use in confined spaces. If re-entering wear all protective clothing including respirator. After each days use, wash gloves, face shield or goggles, contaminated clothing and respirator and if rubber wash with detergent and warm water.

**Re-entry Period**

DO NOT allow re-entry into treated areas for 4 hours after use in enclosed spaces, unless wearing chemical resistant gloves, goggles and respirator. Clothing must be laundered after each days use. It is recommended that appropriate signage is utilised or adequate communication takes place with on-site staff and/or bystanders to ensure that these periods are adhered to.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26). If swallowed do not induce vomiting, give a glass of water.

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet.

**EXCLUSION OF LIABILITY**

This product as supplied is of a high grade and suitable for the purpose for which it is expressly intended and must be used in accordance with the directions. The user must monitor the performance of any product as climatic, geographical or biological variables and/or developed resistance may affect the results obtained. No responsibility is accepted in respect of this product, save for those non-excludable conditions implied by the Trade Practices Act or any State or Federal legislation.

APVMA Approval No.: 63246/500/1109  
63246/1/1109  
63246/10/1109

Aqua-K-Othrine® is a Registered Trademark of Bayer

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Technical enquiries: 1800 804 479

IN A TRANSPORT EMERGENCY  
**DIAL 000**  
POLICE OR FIRE BRIGADE

FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE **1800 033 111**

Batch Number:  
Date of Manufacture:

FRONT PAGE OF BOOKLET

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**POISON****KEEP OUT OF REACH OF CHILDREN****READ SAFETY DIRECTIONS BEFORE OPENING OR USING****Aqua K-Othrine Insecticide Space Spray Concentrate****ACTIVE CONSTITUENT: 20 g/L DELTAMETHRIN****SOLVENT: 250 g/L HYDROCARBON LIQUID**

<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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An insecticide concentrate for dilution with water and use as a space-spray for the control of mosquitoes and flies.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product. Do not re-use container for any other purpose.

**SAFETY DIRECTIONS**

Harmful if swallowed. Will irritate the eyes. Avoid contact with eyes and skin. Do not inhale spray mist. Ensure adequate ventilation during use. When opening the container, mixing and loading, preparing spray and using spray wear chemical resistant gloves and face shield or goggles. When using in enclosed areas, wear elbow length chemical resistant gloves and full face-piece respirator. If product in eyes wash it out immediately with water. Avoid re-entry for 4 hours after use in confined spaces. If re-entering wear all protective clothing including respirator. After each days use, wash gloves, face shield or goggles, contaminated clothing and respirator and if rubber wash with detergent and warm water.

**Re-entry Period**

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**EXCLUSION OF LIABILITY**

This product as supplied is of a high grade and suitable for the purpose for which it is expressly intended and must be used in accordance with the directions. The user must monitor the performance of any product as climatic, geographical or biological variables and/or developed resistance may affect the results obtained. No responsibility is accepted in respect of this product, save for those non-excludable conditions implied by the Trade Practices Act or any State or Federal legislation.

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IN A TRANSPORT EMERGENCY <b>DIAL 000</b> POLICE OR FIRE BRIGADE
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FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE <b>1800 033 111</b>
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**IMPORTANT: READ THIS BOOKLET BEFORE USE**

## BOOKLET (continued)

**DIRECTIONS FOR USE****SPRAY DRIFT RESTRAINTS (FOR OUTDOOR USE)**

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: **1.** date and start and finish times of application; **2.** location address and areas sprayed; **3.** full name of this product; **4.** amount used per hectare and number of hectares applied to; **5.** situation and pest; **6.** wind speed and direction during application; **7.** air temperature; **8.** nozzle brand, model and type and spray system pressure measured during application; **9.** name and address of person applying this product. (Additional record details may be required by the State or Territory where this product is used).

<b>SITUATION</b>	<b>PEST</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Outdoor and indoor situations where flies and/or mosquitoes are a problem (including but not limited to abattoirs, refuse tips, picnic areas, sports grounds, recreation areas, factories, industrial buildings, domestic residences and areas associated with animal production).	Adult flies and mosquitoes	<b>Outdoors</b> 50 mL/ha  <b>Indoors</b> 2.5 mL/ 1000 m <sup>3</sup>	Dilute with a suitable volume of water (further details provided in the table below) and apply using equipment capable of generating a mist or thermal or cold fog. Avoid application outdoors if wind speed is in excess of 10 km/h as spray will be dispersed too quickly.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**NO WITHHOLDING PERIOD IS REQUIRED WHEN USED AS DIRECTED BUT THIS PRODUCT SHOULD NOT BE APPLIED OVER WATER INTENDED FOR HUMAN CONSUMPTION**

**GENERAL INSTRUCTIONS**

Aqua K-Othrine is a water-based space spray concentrate (oil in water emulsion) specifically designed for dilution in water ONLY, which can be applied by ultra low volume (ULV; vehicle mounted application techniques), thermal fogging or misting machines.

Aqua K-Othrine incorporates anti-evaporant Film Forming Aqueous Suspension Technology (FFAST); which allows dilution with water yet spray droplet size is maintained as if diluted in oil.

**Mixing:** Dilute Aqua K-Othrine with the suitable volume of water according to the equipment manufacturer's recommendations for the output rates required. As standard practice, application equipment should be calibrated to determine output rates and actual volumes required in order to reach the target application rates of product referred to in the directions for use above.

BOOKLET (continued)

As a guide only, some dilution and application rates are provided in the table below.

APPLICATION METHOD	SITUATION	DILUTION RATE	APPLICATION RATE OF DILUTION
ULV (Cold fogging)	Indoors	1 – 2 mL + 50 mL water	50 mL/1000 m <sup>3</sup>
	Outdoors	50 mL + 450 mL water	500 mL/ha
Thermal Fogging	Indoors	1- 2 mL/500 mL water	100 – 200 mL/house or 500 mL/1000 m <sup>3</sup>
	Outdoors	50 mL + 4950 mL water	5 L / Ha

Prepare only the amount required for immediate usage. Do not store diluted material.

**Equipment:**

Apply by means of appropriate specialist equipment capable of producing and distributing droplets of a volume mean diameter (VMD) value below 50 microns. This equipment may be thermal fogging equipment, cold aerosol generating ULV equipment and hand-held or knapsack sprayers which are designed for space spraying.

Note that generally speaking motorised knapsack/backpack sprayers or mist blowers produce a mist with a droplet size spectrum of 0 to 200 µm with Volume Median Diameters greater than 50 µm. These larger droplets are less efficient for flying insect control.

**Application Timing**

Fly and mosquito control campaigns should begin early in the breeding season. Spray rounds should initially be every other day for 7 to 10 days to kill newly emerging adults and then a maintenance phase of weekly sprays may be used.

Application should be timed correctly to achieve optimum results; for fly control; application should take place in the morning when flies are at ground level and have not had a chance to disperse. Application should be targeted to resting and breeding areas.

For mosquito control the optimum application time is generally in the evening when most species are active however the peak activity time should be identified to optimise effect against the particular target species.

For optimum results when applying indoors close windows and doors before application and do not open for at least 30 minutes after treatment.

**PRECAUTIONS**

DO NOT apply in areas where food is prepared or eaten or where spray may come into direct contact with food.

Before use, remove or cover all exposed foodstuffs. Cover all dishes and utensils and other food preparation equipment.

After use, thoroughly ventilate treated area. Clean up thoroughly before processing/serving resumes. Fish bowls/aquaria should be removed or covered during indoor treatment.

**Re-entry Period**

DO NOT allow re-entry into treated areas for 4 hours after use in enclosed spaces, unless wearing chemical resistant gloves, goggles and respirator. Clothing must be laundered after each days use. It is recommended that appropriate signage is utilised or adequate communication takes place with on-site staff and/or bystanders to ensure that these periods are adhered to.

BOOKLET (continued)

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**Insecticide Resistance Warning**

<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management, Aqua-K-Othrine is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to Aqua-K-Othrine and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Aqua-K-Othrine or other Group 3A insecticides are used repeatedly. The effectiveness of Aqua-K-Othrine on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer Environmental Science accepts no liability for any losses that may result from the failure of Aqua-K-Othrine to control resistant insects.

Aqua-K-Othrine may be subject to specific resistance management strategies. For further information contact your local supplier or Bayer Environmental Science representative.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish and aquatic invertebrates. DO NOT use over or immediately adjacent to any water body or water course. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

**PROTECTION OF LIVESTOCK**

Dangerous to bees. Will kill bees foraging in the area during application or in hives which are oversprayed or reached by spray drift.