



**K-Othrine<sup>®</sup>**  
**PARTIX<sup>™</sup>**

## **INSECTICIDE (PT18)**

- ✓ **Revolutionary formulation technology**
- ✓ **Flexible application rates**
- ✓ **Designed by Pest Controllers**

K-Othrine Partix is a suspension concentrate containing 2.49% (2.45% pure) Deltamethrin, with broad spectrum insecticidal activity. K-Othrine Partix can be used indoors in domestic, commercial and industrial premises to control crawling insects (including cockroaches and bedbugs), house flies at rest and spiders and for the outdoor control of wasps in free hanging nests.

**For use by professional operators only.**

Use biocides safely and sustainably. Always read the label and product information before use and respect all the instructions provided.

**240 ml e** It is illegal to use this product for uses or in a manner other than that prescribed on this label.

Safety information

**K-OTHRINE PARTIX - UFI: S4A0-W06V-S00E-V5U0**

Contains Deltamethrin 2.49% (2.45% pure) and reaction mass of: 5-chloro-2-methyl-2H-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1).



**Warning**

• **May cause an allergic skin reaction.** • **Very toxic to aquatic life with long lasting effects.** • Avoid breathing spray. • Avoid release into the environment. • Wear protective gloves/protective clothing / eye protection. • **IF ON SKIN:**

Wash with plenty of water/soap. • If skin irritation occurs: Get medical advice/attention. • Collect spillage. • Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. • **To avoid risks to human health and the environment, comply with the instructions for use.**

**UK-2018-1166-02, IE/BPA 70480**

For 24 hour emergency information contact Bayer  
CropScience Ltd. Telephone: 00800 1020 3333

Date of expiry / Batch number: see the pack

*Authorisation holder and marketing company:*

**United Kingdom**

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230 Cambridge Science Park,  
Milton Road, Cambridge,  
CB4 0WB

United Kingdom

Tel No. 00800 1214 9451

[www.environmentalscience.bayer.co.uk](http://www.environmentalscience.bayer.co.uk) for Safety Data Sheet & larger label.

**Ireland**

Bayer Limited  
The Atrium,  
Blackthorn Road,  
Sandyford

Dublin 18, Ireland

Tel No. 00800 1214 9451



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**Bayer**

K-Othrine Partix controls:

- **Indoors Only:** Crawling insects (including cockroaches and bedbugs), house flies at rest and spiders
- **Outdoors Only:** Wasps in nests (hanging under the roof and on the tree).

K-Othrine Partix can be used indoors – in public places (e.g. schools, hospitals ..), domestic, commercial and industrial premises to control Crawling insects (including cockroaches and bedbugs), house flies at rest and spiders.

K-Othrine Partix can be used outdoors to control wasps in free hanging nests.

## **PRECAUTIONS**

Before application indoor, close doors in the room where the product will be applied.

Do not use directly on or near food, feed, drinks or on surfaces, utensils and facilities likely to be in direct contact with food, feed, drinks and livestock.

Do not apply to surfaces on which food or feed is stored, prepared or supplied.

Do not spray bed linen or other materials which come into direct contact with occupants of the bed (e.g. bedding) or which might be washed (e.g. curtains).

Do not use to treat mattresses in cots where infants sleep.

Do not spray directly on people, animals or bedding.

Remove or cover all fish tanks and bowls before application.

No bystander should be present during application or re-enter the room until the sprayed surfaces are dry.

Ventilate the treated room sufficiently before unprotected people re-enter.

The product should be applied so that pets do not come in contact with the product.

Store rest of the product safely for the next treatment.

Use only in accordance with the label instructions.

## **DIRECTIONS FOR USE**

### **INDOOR USE**

**Crawling insects - including cockroaches** (eggs, nymphs and adult).

**For control on surfaces subjected to wet cleaning:** Spray as a spot treatment into crack and crevices only with max spray bandwidth of 0.1m. In order to achieve this, application should be done by a pin-stream nozzle or special crack crevice extension and suitable distance between nozzle and sprayed surface should be maintained.

**For control on surfaces not subjected to wet cleaning:** Spray on restricted surfaces only such as: closed areas below the kitchen

furniture, under the fridge, under the kitchen sink, under the oven or the water heater, in all crack and crevices that can be a harbourage for cockroaches.

### **Bedbugs**

Spray on restricted surfaces only not subjected to wet cleaning (e.g. carpets, mattresses, soft furnishing).

All washable materials (such as beddings, curtains, etc.) should be removed before treatment from the treated area.

Do not spray on surfaces, which are subjected to wet cleaning.

When treating soft furnishing, mattresses, carpets, etc. avoid contamination of adjacent wet cleaned floor. Thus, if necessary place impermeable material (e.g. plastic sheet) or remove spray drift and spill by targeted wet wiping with disposable tissues.

To prevent emission to environment the impermeable material or tissues should be then disposed to an authorized waste disposal company in accordance with local regulations.

### **Spiders**

**For control on surfaces subjected to wet cleaning:** Spray as a spot treatment into crack and crevices only with max spray bandwidth of 0.1m. In order to achieve this, application should be done by a pin-stream nozzle or special crack crevice extension and suitable distance between nozzle and sprayed surface should be maintained.

**For control on surfaces not subjected to wet cleaning:** Spray on restricted surfaces only such as: closed areas below the kitchen furniture, under the fridge, under the kitchen sink, under the oven or the water heater, in all crack and crevices that can be a harbourage for spiders.

### **Flies – when at rest**

Identify where flies settle and spray the surface if not subjected to routine wet cleaning (e.g. on the walls, on window frames and to the ceiling).

## **OUTDOOR USE**

### **Wasps – in nest (hanging under the roof and on the tree)**

Do not use near: agricultural crop, domestic animals, ponds and other water bodies, bee hives.

During application cover the soil under the nest (e.g. by using plastic sheet).

Do not apply during rainy days.

In around building conditions (on nests hanging on the upper part of wall under the roof) apply only on nest protected from washing-off by rainfall and floods.

Wasps could become aggressive, attack and sting humans before knockdown effect occurs. To reduce this risk, treat at dusk and wear suitable protective equipment. Bystanders' re-entry should be prevented until the nest control is achieved.

## APPLICATION RATE AND FREQUENCY

USE AREA	INSECTS	DILUTION RATE	APPLICATION RATE	DURATION OF CONTROL
<b>Indoors</b> - In public places (e.g. schools, hospitals ...) as well as in domestic, commercial and industrial premises	<b>Crawling Insects: Cockroaches</b>	5 ml of the product in water up to 1 litre	Apply the working solution at a rate of 50 ml per m <sup>2</sup> to achieve 6.25 mg Deltamethrin/ m <sup>2</sup>	Effective up to 12 weeks.  Repeated treatment may be carried out as necessary up to a maximum of eleven applications per year.
	<b>Bed Bugs</b>	First Treatment: Dilute 10 ml of the product in water up to 1 litre	First Treatment: apply the working solution at a rate of 50 ml per m <sup>2</sup> to achieve 12.5 mg Deltamethrin/m <sup>2</sup>	Effective up to 12 weeks.

USE AREA	INSECTS	DILUTION RATE	APPLICATION RATE	DURATION OF CONTROL
<p><b>Indoors</b> - In public places (e.g. schools, hospitals ...) as well as in domestic, commercial and industrial premises</p>	<p><b>Bed Bugs</b></p>	<p>Second Treatment: Followed after 4 days dilute 5 ml of the product in water up to 1 litre</p>	<p>Second Treatment: apply the working solution at a rate of 50 ml per m<sup>2</sup> to achieve 6.25 mg Deltamethrin/m<sup>2</sup>.</p>	<p>Effective up to 12 weeks.</p>
	<p><b>Spiders</b></p>	<p>5 ml of the product in water up to 1 litre</p>	<p>Apply the working solution at a rate of 50 ml per m<sup>2</sup> to achieve 6.25 mg Deltamethrin/ m<sup>2</sup></p>	<p>Effective up to 8 weeks.  Repeated treatment may be carried out as necessary up to a maximum of eleven applications per year.</p>



USE AREA	INSECTS	DILUTION RATE	APPLICATION RATE	DURATION OF CONTROL
<p><b>Indoors</b> - In public places (e.g. schools, hospitals ...) as well as in domestic, commercial and industrial premises</p>	<p><b>House Flies at rest</b></p>	<p>5 ml of the product in water up to 1 litre</p>	<p>Apply the working solution at a rate of 50 ml per m<sup>2</sup> to achieve 6.25 mg Deltamethrin/m<sup>2</sup></p>	<p>Effective up to 5 weeks.</p> <p>Repeated treatment may be carried out as necessary up to a maximum of eleven applications per year</p>
<p><b>Outdoor</b></p>	<p><b>Wasps in nest</b> (hanging under the roof and on the tree)</p>	<p>10 ml of the product in water up to 1 litre</p>	<p>Apply the working solution at a rate of 200 ml per m<sup>2</sup> to achieve 50 mg Deltamethrin/nest.</p>	<p>Complete nest elimination is achieved within 1-2 weeks.</p> <p>Perform the treatment once.</p>

## **MIXING AND SPRAYING**

### **Precautions**

Do not make more solution than needed for the treatment.

During mixing and loading and cleaning of the equipment adequate personal protective equipment should be worn – gloves and protective coated coveralls.

Applications should always be made against the most susceptible stages in the pest life cycle.

Wash hands and exposed skin after use.

Take off contaminated clothing.

**To prepare the working solution:** Fill the applicator with half of required water amount. Carefully open the packaging of the product. Measure the required amount of product and carefully pour it into the applicator's container. Fill the sprayer tank with rest of water and stir.

Apply with suitable hand or mechanical equipment using hand applicators (e.g. Knapsack sprayers) producing a coarse spray at low pressure (1-3 bars) with median droplet size above 100  $\mu\text{m}$ , to be applied in a close proximity to target.

To avoid fine aerosol exposure do not use a space spray.

Clean the application equipment by filling clean water in the knapsack sprayer and applying the wash water as spray, or disposing as hazardous waste. If blocked nozzle has to be cleaned

it should be rinsed with clean water which removes residues from the nozzle. During this task gloves should be worn, which should be rinsed with clean water after the blocked nozzle has been installed again.

## **RESISTANCE MANAGEMENT**

Strategies for avoiding and/or managing the development of resistance are provided as follows:

- Where possible, application treatments should be recommended to be combined with nonchemical measures.
- Applications should always be made against the most susceptible stages in the pest life cycle.
- Where an extended period of control is required, treatments should be alternated with products with different mode of action.
- Levels of effectiveness should be monitored, and instances of reduced effectiveness should be investigated for possible evidence of resistance, noting that sanitary conditions and proximity of untreated refuges can contribute to the risk of reinfestation.
- In cases where label rates, correctly applied, fail to give the expected level of control and resistance is demonstrated, use of any product containing active substance with the same mode of action should cease.

## **DISPOSAL**

Waste material (product, each packaging, contaminated clothes and water used for cleaning for contaminated equipment) must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers.

No mixing with other waste. Handle uncleaned containers like the product itself.

## **STORAGE**

The product remains stable for 2 years when stored in its original, unopened original container under cool, dry and well-ventilated conditions.

Store away from light.

The product must be kept away from food, drink and animal feedstuffs.

## **FIRST AID**

**General:** Remove contaminated clothing immediately and dispose of safely.

**Ingestion:** Keep at rest. Rinse mouth. Do NOT induce vomiting. Call a physician immediately. UK medical professionals should contact the National Poisons Information Service ([www.npis.org](http://www.npis.org)) for further advice.

**Inhalation:** Move the victim to fresh air and keep at rest. Call a physician immediately. UK medical professionals should contact the

Nationals Poisons Information Service ([www.npis.org](http://www.npis.org)) for further advice.

**Skin Contact:** Immediately wash with plenty of soap and water for at least 15 minutes. Take off contaminated clothing. If symptoms persist, call a physician.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation persists.

**Poison Information for Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166),** retain the label for reference.

### **Emergency measures to protect the environment:**

Precautions: Prevent product from entering the environment (surface and ground water), sewerage, drainage, etc. with the construction of protective barriers and closing drains. Communicate to the relevant authorities on tipping leaks into waterways, drains, sewers etc. Methods and materials for containment and cleaning: Absorb spill on inert material (sand, kaolin), collect and place in containers for later, properly identified for hazardous waste management.

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