

Health and Safety Profile

EC Hazard Classification:
Not classified (health effects).

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Personal Protective Equipment



Product Label

Label Directions (correct at time of printing)

K-Othrine is a suspension concentrate of deltamethrin giving broad-spectrum residual insecticidal activity on surfaces. K-Othrine is non-staining, non-tainting, virtually odourless and biodegradable.

For the control of:

Crawling Insects including cockroaches, black ants, bed-bugs, fleas, silverfish, carpet beetles and stored product pests such as grain weevils, saw-toothed grain beetles, spider beetles, flour beetles and booklice.

Flying insects including flies, mosquitoes and stored product moths.

For Use In:

Domestic Situations
Private Housing.

Public Buildings
Continuously occupied areas (as a band/spot or crack and crevice treatment only), hospitals, hotels, public baths, municipal buildings, churches, halls, community centres, cinemas etc.

Food Handling
Processing
Food manufacture, kitchens, slaughterhouses etc.

Storage
Food retailers, warehouses, raw material stores etc.

Preparation
Restaurants, commercial kitchens etc.

Aircraft
Aircraft galleys, cabins etc (AMS 1450A certificate).

On Board Ship
Accommodation and food preparation areas.

Spraying Equipment

Apply with any suitable hand or mechanical sprayer capable of producing a coarse spray.

Rates of Application

Insects	Treatment	Dilution Rate	
		K-Othrine	Water
Crawling Insects Public Health Insects cockroaches, bed-bugs, fleas	Initial	150ml	5 litres
	Routine	75ml	5 litres
Stored Product Insects	Routine	150ml	5 litres
Flying Insects flies, mosquitoes, moths	Routine	75ml	5 litres

Directions for use

Dilute with water only. Prepare a fresh suspension as required. Do not store prepared suspension. Mix contents before measuring by inverting several times. Do not agitate vigorously.

Loosen cap on the calibrated dispensing chamber. Squeeze the bottle and liquid will flow into the chamber. When sufficient liquid has entered the chamber, release pressure and pour K-Othrine into sprayer or mixing vessel. After dispensing K-Othrine replace and tighten the chamber cap.

The spray should be applied evenly to all surfaces - floors, walls and dunnage. Ensure that all cracks and crevices where insects might find cover are adequately treated.

K-Othrine may be applied to:

Walls and structural surfaces of rooms and buildings used for the storage of raw or processed foodstuffs, providing the foodstuffs do not come into contact with the treated surfaces and that foodstuffs are either removed or protected from contamination by an impermeable covering such as plastic sheeting before application.

Pallets and dunnage, providing foodstuffs subsequently stored are protected from treated surfaces by an impermeable covering such as plastic sheeting.

Surfaces of machinery, external or internal surfaces used for the drying, cleaning or conveying of raw cereal grains, malt or oilseeds.

Surfaces of stacks of foodstuffs in containers of wood, fibreboard and similar impermeable materials.

Application

With any suitable hand or mechanical sprayer capable of producing a coarse spray. Apply to just short of run-off on most surfaces, i.e. at a rate of 5 litres/100 m² of surface. Very absorbent surfaces such as concrete which dry quickly should be thoroughly wetted. Slow drying fabrics such as carpets should only be treated with a light spray.

Residual Activity

The residual life of the deposit will vary depending upon the cleanliness and nature of the surface to which it is applied. Therefore re-treat as necessary.

Warnings

Protect from frost.

This product is an insecticide. As with other insecticides, operators should take appropriate precautions when working in the spray and in particular when handling the concentrate. If used at higher than recommended concentrations K-Othrine may cause transient irritation of the skin, eyes and nasal membranes.

Do not apply to unprotected electrical equipment or to the moving parts of any machinery. If delicate fabrics or materials which may be damaged by water require treatment, test the spray on a small inconspicuous area first.

PRECAUTIONS

WASH HANDS AND EXPOSED SKIN before meals and after use.

WASH ANY CONTAMINATION from skin or eyes immediately.

Keep out of the reach of children
Keep only in the original container.
Keep container tightly closed.

KEEP IN A SAFE PLACE.

To avoid risks to man and the environment, comply with the instructions for use.

Safety data sheet available for professional user on request.

STATUTORY CONDITIONS RELATING TO USE

FOR USE ONLY AS AN INSECTICIDE
FOR PROFESSIONAL USE in Public Hygiene/Nuisance.

Application rate: For initial treatment of crawling insects: Dilute 150 ml of product with 5 litres of water then apply 1 litre of diluted product per 20 m² (to give 15.0 mg deltamethrin per m²).

For routine treatment of flying and crawling insects: Dilute 75 ml of product with 5 litres of water then apply 1 litre of diluted product per 20 m² (to give 7.5 mg deltamethrin per m²).

For routine treatment of stored product insects: Dilute 150 ml of product with 5 litres of water then apply 1 litre of diluted product per 20 m² (to give 15 mg deltamethrin per m²).

For use on hard porous and non-porous surfaces.

The (COSHH) Control of Substances Hazardous to Health Regulations 1999 may apply to the use of this product at work.

FOR USE ONLY BY PROFESSIONAL OPERATORS.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. Wear suitable protective clothing, gloves and eye/face protection.

Do not breathe spray. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS(G) 53: "The Selection, Use and Maintenance of Respiratory Protective Equipment – A Practical Guide").

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY
However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

COVER WATER STORAGE TANKS before application.

UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS UNTIL SURFACES ARE DRY.

DO NOT APPLY DIRECTLY TO ANIMALS.

Do not contaminate ground, waterbodies or watercourses with chemicals or used container. EXTREMELY DANGEROUS TO FISH AND OTHER AQUATIC LIFE
REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.

THIS MATERIAL AND ITS CONTAINER must be disposed of as hazardous waste.

READ ALL PRECAUTIONS BEFORE USE (HSE 5097)

In Eire Pesticide Control Service Number 90444.

WHO classification: III (slightly hazardous)

When stored in a dry place at temperatures not exceeding 35°C K-Othrine has a shelf life of 3 years.

This product is approved under The Control of Pesticides Regulations 1986 (as amended) for use as directed (HSE 5097)



Bayer Environmental Science

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ALWAYS READ THE LABEL. USE PESTICIDES SAFELY.
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