



K-Obiol®

EC25

Liquid Grain Protectant for the control of stored product pests.



HARMFUL

Risk and safety information :

K-OBIOI® EC25

Contains 25 g/litre deltamethrin and 225 g/litre piperonyl butoxide

Flammable.

Harmful by inhalation and if swallowed. Harmful: may cause lung damage if swallowed. Irritating to the respiratory system.

Risk of serious damage to the eyes. Repeat exposure may cause skin dryness or cracking. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



DANGEROUS FOR THE ENVIRONMENT

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

When using do not eat, drink or smoke.

Do not breathe spray.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

Wear eye/face protection.

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

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

MAPP 13573, PCS No 03641

An emulsion concentrate formulation containing 25 g/litre Deltamethrin, 225 g/l Piperonyl butoxide and solvent naphtha.

1 L e

Important information and Directions for use on the inside label.

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Follow the code of practice for using plant protection products.

For 24 hour emergency information contact Bayer CropScience Limited.

Telephone: 0800 220876 (UK 24 hr), +44(0)1603-242424 (Overseas 24 hr) or nearest National Poisons Information Centre.



This label is compliant with the CPA Voluntary Initiative Guidance.

Authorization holder:
Bayer Environmental Science SAS
16, rue Jean-Marie Leclair, CP 106
F-69266 Lyon Cedex 09 - France.

Batch number : See on the pack

K-Obiol® EC25 is a registered trademark of Bayer Environmental Science SAS.

Bayer Environmental Science
a Business Group of Bayer CropScience Limited
230 Cambridge Science Park
Milton Road
Cambridge CB4 0WB
Tel : 00800 1214 9451



Bayer Environmental Science
A Business Operation of Bayer CropScience

SAFETY PRECAUTIONS**Operator Protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES, FACE PROTECTION (FACESHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (DISPOSABLE FILTERING FACEPIECE RESPIRATOR) for handling the concentrate during grain treatment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, FACE PROTECTION (FACESHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (DISPOSABLE FILTERING FACEPIECE RESPIRATOR) when using as a surface treatment spray.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection - UK only.

TAKE OFF IMMEDIATELY all contaminated clothing.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

Environmental Protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing 3 times. Add washings to the sprayer at the time of filling and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

WHO-classification: II (moderately hazardous).

FOR PROFESSIONAL USE ONLY**Important Information:**

FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE IN FOOD STORAGE PRACTICE

Crops/situations:	For use on stored grain and pulses.
Maximum individual dose:	
Direct admixture with grain:	1 litre to 100 tonnes of grain.
Treatment of Crop handling and storage structure:	60 ml per 100 m ²
Maximum number of treatments:	Crop handling and storage structure: 1 per annum grains, pulses 1 per batch

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

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence.

Follow the code of practice for using plant protection products.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

GENERAL INFORMATION:

K-Obiol® EC25 is a liquid pyrethroid based grain protectant for the control of stored product pests including crawling insects such as grain weevils, flour beetles, grain borers, sawtoothed grain beetles and bean weevils and flying insects such as warehouse moths, rice moths, indian meal moths and grain moths.

RESTRICTIONS:

The Maximum Residue Level (MRL) on whole cereal grains for deltamethrin is 2 ppm.

APPLICATION:

The residual life of the treatment depends on the type of application and the surface.

Direct admixture with grain

K-Obiol® EC25 is diluted with water and applied using low-pressure nozzles situated over the conveying machinery, as near to the final storage place as possible. The application rate should be adjusted to apply 1 litre of solution per tonne of grain. Dilute 1 part K-Obiol® EC25 with 99 parts water (1 litre of concentrate to 99 litres of water treats 100 tonnes of grain) to provide up to 12 months protection against crawling insects and up to three months against flying insects i.e. moths. The recommended rate of K-Obiol® EC25 is corresponding to 0.25 ppm of active ingredient.

Treatment of storage buildings

For maximum efficacy, treatments should be applied to a previously cleaned store, 3 to 4 weeks before filling. The performance may be impaired on concrete surfaces. Guidance on cleaning of grain stores can be obtained from the 'The grain storage guide' published by the Home-Grown Cereals Authority (HGCA).

Use a knapsack sprayer equipped with a low pressure nozzle producing a medium to coarse spray.

Porous surfaces - Add 20 to 30 ml of K-Obiol® EC25 to each 5 litres of water. Spray at a rate of 5 litres of solution per 50 sq metres.

Non-porous surfaces - Add 40 to 60 of K-Obiol® EC25 to each 5 litres of water. Spray at a rate of 5 litres of solution per 100 sq metres.

The treatment provides 2 month protection.

RESISTANCE

Where strains resistant to deltamethrin occur or develop, effective control will not be achieved.

First Aid Advice**Contact with Skin:**

Remove contaminated clothes and shoes. Wash off skin with plenty of soap and water. Seek medical advice immediately.

Contact with Eyes:

Rinse immediately with cold water for at least 15 minutes. Seek medical advice immediately.

In case of Ingestion:

Wash out mouth with water. **Do not induce vomiting.** Do not give anything to eat or drink.

Ensure airway is clear. Seek medical advice immediately.

In case of Inhalation

Following more than incidental inhalation remove patient to fresh air, make them rest and keep them warm. Seek medical advice immediately.

Medical Treatment

There is no specific antidote to deltamethrin and piperonyl butoxide or the product as formulated. Symptomatic and supportive therapy is indicated.



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