

Summary of product characteristics for a biocidal product

Product name: K-Othrine 25 WP (Deltamethrin WP 25)

Product type(s): PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Authorisation number: TP18-0245

R4BP 3 asset reference number: GR-0009250-0000

Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	2
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	2
3. Hazard and precautionary statements	2
4. Authorised use(s)	3
5. General directions for use	6
5.1. Instructions for use	6
5.2. Risk mitigation measures	7
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	7
5.4. Instructions for safe disposal of the product and its packaging	8
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	8
6. Other information	8

Administrative information

1.1. Trade names of the product

K-Othrine 25 WP (Deltamethrin WP 25)

1.2. Authorisation holder

Name and address of the authorisation holder	Name	2022 ENVIRONMENTAL SCIENCE FR SAS
	Address	3, place Giovanni Da Verrazzano 69009 LYON France
Authorisation number	T118-0245	
R4BP 3 asset reference number	GR-0009250-0000	
Date of the authorisation	06/04/2017	
Expiry date of the authorisation	06/04/2027	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Bayer S.A.S.
Address of the manufacturer	16 rue Jean-Marie Leclair - CS 90106 69266 LYON France
Location of manufacturing sites	A-3, Madrid - Valencia, KM 342 46930 Quart de Poblet (Valencia) Spain
	Anibal Caddesi No.1 41410 Gebze / Kocaeli Turkey
	ZI Avenue Jean Foucault CS621 34500 Beziers France

1.4. Manufacturer(s) of the active substance(s)

Active substance	24 - deltamethrin
Name of the manufacturer	Bayer CropScience AG
Address of the manufacturer	Alfred-Nobel-Str. 50 40789 Monheim am Rhein Germany
Location of manufacturing sites	306/3, II Phase, GIDC 396195 Vapi India

2. Product composition and formulation

2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	Active Substance	52918-63-5	258-256-6	2,5
Quartz (1% contained in Kaolin)		Non-active substance			0,1

2.2. Type of formulation

WP - Wettable powder

3. Hazard and precautionary statements

Hazard statements	Very toxic to aquatic life with long lasting effects. May cause cancer by inhalation.
Precautionary statements	Dispose of container to in accordance with local regulation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves.

Wear protective clothing.

[In case of inadequate ventilation] wear respiratory protection.

IF exposed or concerned: Get medical advice.

IF exposed or concerned: Get medical attention.

Avoid release to the environment.

Collect spillage.

4. Authorised use(s)

4.1 Use description

Use 1 - Rural hygiene - low infestation

Product type	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
Where relevant, an exact description of the authorised use	Can be used in rural hygiene applications as livestock breeding/rearing facilities, except for poultry houses
Target organism(s) (including development stage)	Scientific name: Muscidae: Common name: House fly (Musca domestica) Development stage: Adults
Field(s) of use	Indoor Can be used in rural hygiene applications as livestock breeding/rearing facilities, except for poultry houses
Application method(s)	Method: Spraying Detailed description: Dilute 25g of product with water up to 5 lt volume to treat a surface of 100 m2. Apply with any suitable hand or mechanical sprayer capable of producing a coarse spray
Application rate(s) and frequencies	Application Rate: 25 g/100m ² (0.5 %) Dilution (%): 0.5 Number and timing of application: Will remain active for up to 2 weeks. The residual activity depends upon the cleanliness and nature of the surface to which the product is applied. Therefore, re-treat as necessary. 7 applications max. per fly season
Category(ies) of users	Trained professional

Pack sizes and packaging material	Professional
	Sachet (foil-lined sealed sachet made of Paper 50g/m ² / LDPE12 g/m ² / Al 9μ / LDPE 25 g/m ²) of 25g.

4.1.1 Use-specific instructions for use

-

4.1.2 Use-specific risk mitigation measures

-

4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

-

4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

-

4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

-

4.2 Use description

Use 2 - Rural hygiene - high infestation

Product type PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Where relevant, an exact description of the authorised Can be used in rural hygiene applications as livestock breeding/rearing facilities, except for poultry houses

use	
Target organism(s) (including development stage)	Scientific name: Muscidae: Common name: House fly (Musca domestica) Development stage: Adults
Field(s) of use	Indoor Can be used in rural hygiene applications as livestock breeding/rearing facilities, except for poultry houses
Application method(s)	Method: Spraying Detailed description: Dilute 50g of product with water up to 5 lt volume to treat a surface of 100 m2. Apply with any suitable hand or mechanical sprayer capable of producing a coarse spray .
Application rate(s) and frequencies	Application Rate: 50 g/100m ² Dilution (%): 1 Number and timing of application: The product will remain active for up to 2 weeks. The residual activity depends upon the cleanliness and nature of the surface to which the product is applied. Therefore, re-treat as necessary. 7 applications max. per fly season.
Category(ies) of users	Trained professional Professional
Pack sizes and packaging material	Sachet (Foil-lined paper bag) of 25 g.

4.2.1 Use-specific instructions for use

-

4.2.2 Use-specific risk mitigation measures

-

4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

-

4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

-

4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

-

5. General directions for use

5.1. Instructions for use

Mixing and Spraying

1. Ensure that sprayer is clean and free of oily residues. If necessary wash out the sprayer with water and detergent before use and treat washings as hazardous waste.
2. Fill the sprayer half the required volume of water (eg. 5L for 100m²). Carefully open the pack lid and the seal. Measure out precisely the required quantity of product and pour carefully into the spray tank. Complete the filling of the sprayer with water to the appropriate level and agitate. Agitation should be maintained during application. Use within 4 to 6 hours.
3. Apply as a coarse spray, to just short of run off.
4. Identify where adult house flies settle and spray the surface. Apply on the walls, on window frames and to the ceiling.

Deltamethrin WP 25 should be used in conjunction with good farm hygiene and a good livestock housing design which allows manure to be easily and regularly removed.

The product shall not be used where effluent waste liquid from animal housing and/or manure storage areas can be discharged to municipal sewage treatment plant or surface water recipients, therefore, use on Poultry houses (sub-categories: laying hens in belt drying battery housing as well as laying hens, broilers, turkeys, ducks and geese in litter floor/free range housing) shall be restricted.

5.2. Risk mitigation measures

DO NOT USE Deltamethrin WP 25 containing deltamethrin as the active substance where effluent/waste liquid from animal housing and/or manure storage areas can be discharged to municipal sewage treatment plant or surface water.

Respiratory protection equipment should be worn during mixing/loading and application

Apply out of reach from livestock

DO NOT apply directly to animals.

DO NOT treat areas in direct contact with the animals.

Avoid any splashing or spray drift that could contaminate animals and animal feeding area. If necessary, cover feeding area with plastic sheets and remove animals during spraying.

Re-entry interval 6 hours (once the deposit is dried).

Adopt integrated pest management methods such as the combination of chemical, physical control methods and other public health measures, taking into account local specificities (climatic conditions, target species, conditions of use, etc.).

Take into account the life cycle and characteristics of target insects to adapt treatments. In particular, target the most susceptible stage of the pest's life cycle.

The product should be used as part of a wider treatment program (and may need to be used alongside other products).

Where an extended period of control is required, treatments should be alternated with products with different modes of action.

Always read the label or leaflet before use and follow all the instructions provided.

The product should not be used in regions where it is known that resistance to the active substance has developed.

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 re-infestation.

In cases where it is demonstrated that application rates, correctly applied, fail to give the expected level of control, use of any product containing the same class of chemistry should cease.

The users should inform if the treatment is ineffective and report straightaway to the authorization holder.

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max.24 hours).

Removecontaminated clothing immediately and dispose of safely.

Do notallow to get into surface water, drains and ground water

5.4. Instructions for safe disposal of the product and its packaging

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local regulation.

5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

Store in a place accessible by authorized persons only.
Keep away from direct sunlight.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Avoid extremes of temperature and direct sunlight.
Store only in the original container.

6. Other information

Considering that the content of quartz in Deltamethrin WP 25 is above 0.1%, classification as Carc. 1A H350i is proposed (see Confidential Annex). If the applicant provides additional data demonstrating that the final content of quartz in the formulation is less than 0.1%, classification as Carc. Cat. 1 will no longer be valid.
The aquatic hazard classification of the biocidal product Deltamethrin WP 25 was based on the summation of its classified components.