

# Summary of product characteristics for a biocidal product

**Product name:** Deltamethrin SC 25L GIC

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

**Authorisation number:** 2428-1, 2428-3

**R4BP 3 asset reference number:** BG-0019491-0000

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## Administrative information

### 1.1. Trade names of the product

K-Othrine Flexx
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	2022 ENVIRONMENTAL SCIENCE CER RO S.R.L.
	Address	Piața Charles de Gaulle nr. 15, Charles de Gaulle Plaza, etaj 3 Biroul 303, Sector 1, 011857 București Romania
<b>Authorisation number</b>		2428-1, 2428-3
<b>R4BP 3 asset reference number</b>		BG-0019491-0000
<b>Date of the authorisation</b>		31/08/2018
<b>Expiry date of the authorisation</b>		10/03/2028

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Bayer S.A.S.
<b>Address of the manufacturer</b>	16 rue Jean-Marie Leclair - CS90106 69266 LYON France
<b>Location of manufacturing sites</b>	see confidential information in IUCLID see confidential information in IUCLID see confidential information in IUCLID European Union

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

<b>Active substance</b>	24 - deltamethrin
<b>Name of the manufacturer</b>	Bayer CropScience AG
<b>Address of the manufacturer</b>	Alfred-Nobel-Str. 50 40789 Monheim am Rhein Germany
<b>Location of manufacturing sites</b>	see confidential information in IUCLID see confidential information in IUCLID see confidential information in IUCLID 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

### 2.2. Type of formulation

SC - Suspension concentrate (= flowable concentrate)

## 3. Hazard and precautionary statements

<b>Hazard statements</b>	<p>May cause an allergic skin reaction.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p>
<b>Precautionary statements</b>	<p>Wear protective gloves.</p> <p>If skin irritation or rash occurs: Get medical advice.</p> <p>Dispose of container to local regulation.</p>

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - General Insect Control

<b>Product type</b>	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	<p>Deltamethrin SC 25L is an insecticide for the control of flying insects such as house flies, mosquitoes and crawling insects such as cockroaches, ants, bed bugs, spiders, fleas and carpet beetles, indoors and in protected outdoor situations where the product cannot be washed-off by rainfall.</p> <ul style="list-style-type: none"><li>• New generation of formulation from Bayer technology</li><li>• Effective at low dose rate</li><li>• Outstanding efficacy</li><li>• Knock-down within 15min</li><li>• Excellent on difficult and aggressive surfaces</li><li>• Residual action for at least 12 weeks</li></ul>
<b>Target organism(s) (including development stage)</b>	<p>Scientific name: Flying insects when at rest Common name: Flying insects such as house flies, mosquitoes Development stage: Adults</p> <p>Scientific name: Crawling insects Common name: Crawling insects such as cockroaches, ants, bed bugs, spiders, fleas and carpet beetles Development stage: Adults, larvae</p>
<b>Field(s) of use</b>	<p>Indoor</p> <p>Outdoor</p> <p>Deltamethrin SC 25L is designed for use indoors and in protected outdoor situations where the product cannot be washed-off by rainfall. For use in and around buildings for the control of a wide range of public health insect pests in public places (eg. schools, hospitals,...) as well as in domestic, commercial and industrial premises such as food industry facilities.</p>
<b>Application method(s)</b>	<p>Method: Spraying Detailed description: Apply with any suitable hand sprayer or mechanical sprayer capable of producing a coarse spray.</p>
<b>Application rate(s) and frequencies</b>	<p>Application Rate: 50 ml of product in 5 liter water for 100 m<sup>2</sup> - 25 ml of product in 5 liter water for 100 m<sup>2</sup> - 12.5 ml of product in 5 liter water for 100 m<sup>2</sup> Dilution (%): 1 Number and timing of application: Deltamethrin SC 25L will remain active for many weeks, 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.</p>
<b>Category(ies) of users</b>	

**Pack sizes and packaging material**

Trained professional Professional
Bottle, Plastic: HDPE , Up to 5L

**4.1.1 Use-specific instructions for use**

None

**4.1.2 Use-specific risk mitigation measures**

Spraying on wasps is not recommended: treated wasps could become aggressive, attack and sting humans before knockdown effect occurs.

**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**

None

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

None

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

None

**5. General directions for use**

**5.1. Instructions for use**

**Use 50 ml of product in 5 liter of water for 100m<sup>2</sup>**

- for the control of crawling and flying insects where a maximum of residuality is needed in difficult conditions
- for the control of bed bugs and cat fleas

**Use 25 ml of product in 5 liter of water for 100m<sup>2</sup>**

- for initial/cleanout control of cockroaches, ants, ticks and other crawling insects where a residuality of 12 weeks is required
- for initial/cleanout control of house flies and mosquitoes and other flying insects
- for follow-up treatments against bed bugs

**Use 12.5 ml of product in 5 liter of water for 100m<sup>2</sup>**

- for maintenance control of crawling and flying insects where a residuality of 6-8 weeks is required

**Indoor pests**

Treat where pests have been seen or found, or can find shelter. Treat areas where pests normally feed or hide, such as baseboards, corners, around water pipes, behind and under refrigerators, cabinets, sinks and stoves. This product can be applied to wall/floor junctions, ceilings, in and around cabinets, between, behind and beneath equipment and appliances, around floor drains, window and door frames, eaves and around plumbing, sinks and other possible pest harborage sites. Void applications can be made behind veneers, piers, and chimney bases, into rubble foundations, into block voids and structural voids, wall voids, under slabs, stoops, porches or to the soil in crawlspaces, and other similar voids.

The only broadcast application of this product is to treat carpets or rugs. Proceed as above but spray overlapping bands of 0.5 meters apart to ensure an even coverage of spray. Deltamethrin SC 25L sprays can be applied to any surface which is not damaged by water alone.

For insect control in wet rooms:

- spray harbourages and cracks and crevices only in areas inaccessible to routine cleaning with a max. band width of 0.1 m
- spray barrier on walls inaccessible to routine cleaning with a max. band width of 0.5 m.

As Deltamethrin SC 25L is a residual insecticide it is not recommended to wash off or vacuum the area until the infestation is under control.

**Outdoor pests**

Apply in protected outdoor situations where the product cannot be washed-off by rainfall.

Preparation:

- 1.Ensure that sprayer is clean and free of 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. Carefully open the pack lid and the seal. Measure out precisely the required quantity of product and pour carefully (avoid 'glugging') into the spray tank. Complete the filling of the sprayer with water to the appropriate level and agitate.
- 3.Apply as a coarse spray, to just short of run off. For treatment of surfaces use a flat-fan nozzle. To spray cracks and crevices, use a pin-stream nozzle or special crack and crevice extension.

## 5.2. Risk mitigation measures

Wear protective gloves/protective clothing/eye protection.

Do not apply to surfaces on which food or feed is stored, prepared or supplied. Remove food stuffs prior to treatment. Then cover food preparing equipment, eating utensils and preparation surfaces with impermeable plastic sheets. After treatment remove the sheets and clean the equipment, utensils and surfaces (in line with Best Practice for Professional Pest Control Operators).

Not for use on clothing or bedding or in cots where infants sleep. If delicate fabrics or materials, which may be damaged by water, require treatment, test the spray on a small inconspicuous area first.

Do not apply directly on pets or pets' bedding.

Do not apply broadcast treatments to floors or floor coverings.

Do not apply as a space spray.

Remove or tightly cover fish tanks and disconnect aerators during application.

Treated premises can be re-occupied by children, pets and other animals once the sprayed surfaces are dry. After the spray is dry it is recommended that rooms are ventilated.

Do not allow to get into surface water, drains and ground water.

Wash hands and exposed skin before meals and after use. Wash any contamination from skin, eyes immediately.

Avoid excessive contamination of coveralls and launder regularly. Do not handle treated fabrics until dry and air thoroughly before use.

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

label: 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).

#### FIRST AID MEASURES

##### Description:

General advice: Remove contaminated clothing immediately and dispose of safely. Inhalation Move the victim to fresh air and keep at rest. Call a physician or poison control center immediately.

##### Skin contact

Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E maybe considered. 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. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed an aesthetic eye drops. Get medical attention if irritation develops and persists.

##### Ingestion

Keep at rest. Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

##### Symptoms:

Local: Skin and eye paraesthesia which may be severe, Usually transient with resolution within 24 hours, Skin, eye and mucous membrane irritation, Cough, Sneezing.

Systemic: Discomfort in the chest, Tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Dizziness, Blurred vision, Headache, Anorexia, Somnolence, Coma, Convulsions, Tremors, Prostration, Airway hyperreaction, Pulmonary oedema, Palpitation, Muscular fasciculation, Apathy

Indication of any immediate medical attention and special treatment needed

Risks: This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

Treatment: Local treatment: Initial treatment: symptomatic.

Systemic treatment: Initial treatment: symptomatic. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Keep respiratory tract clear. Oxygen or artificial respiration if needed. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used. Contraindication: atropine. Contraindication: derivatives of adrenaline. There is no specific antidote. Recovery is spontaneous and without sequelae.

#### ACCIDENTAL RELEASE MEASURES

Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Environmental precautions: Do not allow to get into surface water, drains and ground water.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water.

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

Triple rinse container.

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 containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Protect from freezing. Keep away from food, drink and animal feeding stuffs.

Shelf life: when stored in a dry place at room temperature Deltamethrin SC 25L has a shelf life of 2 years

## 6. Other information



