

## **SUMMARY OF PRODUCT CHARACTERISTICS**

### **1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Vectra Felis 423 mg/42.3 mg spot-on solution for cats

### **2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

Each 0.9 ml spot-on applicator contains:

#### **Active substances:**

Dinotefuran.....423 mg  
Pyriproxyfen.....42.3 mg

#### **Excipients:**

|                                                                     |
|---------------------------------------------------------------------|
| <b>Qualitative composition of excipients and other constituents</b> |
|---------------------------------------------------------------------|

|                    |
|--------------------|
| Dimethyl sulfoxide |
|--------------------|

Colourless to pale yellow solution.

### **3. CLINICAL INFORMATION**

#### **3.1 Target species**

Cats

#### **3.2 Indications for use for each target species**

Treatment and prevention of flea infestations (*Ctenocephalides felis*) on cats. One application prevents flea infestation for one month. It also prevents the multiplication of fleas by inhibiting flea emergence in the environment of the cat for 3 months.

#### **3.3 Contraindications**

Do not use in cats or kittens weighing less than 0.6 kg.  
Do not use in cases of hypersensitivity to the active substances or to any of the excipients.

#### **3.4 Special warnings**

All cats within the household should be treated. Dogs in the household should only be treated with a veterinary medicinal product authorised for use in that species.

Fleas can infest the cat's basket, bedding and regular resting areas such as carpets and soft furnishings. In case of massive flea infestation and at the beginning of the control measures, these areas should be treated with a suitable

insecticide and then vacuumed regularly.

The impact of shampooing on the efficacy of the veterinary medicinal product has not been evaluated.

### **3.5 Special precautions for use**

#### Special precautions for safe use in the target species:

The safety of the product has not been established in cats younger than 7 weeks or weighing less than 0.6 kg (see section 3.3).

After accidental ingestion of the product, transient reactions such as salivation, abnormal faeces and emesis may occur, however these should resolve without treatment within 4 hours.

Care should be taken to apply the dose to an area where the animal cannot lick it off (see section 3.9), and to ensure that animals do not groom each other immediately following treatment.

Care should be taken to ensure that the contents of the spot-on applicator, or the applied dose, do not come into contact with the eyes of the cat to be treated and/or any other animals.

No studies have been performed in sick or convalescent cats, therefore use in these cats should be based on the benefit-risk assessment of a veterinarian.

In case of suspicion of dermatitis (itch and skin irritation), seek for veterinary advice.

#### Special precautions to be taken by the person administering the veterinary medicinal product to animals

People with known hypersensitivity to dinotefuran, pyriproxyfen or dimethyl sulfoxide should avoid contact with this veterinary medicinal product.

The veterinary medicinal product is irritating to the eyes and skin.

To avoid adverse reactions:

- Wash hands thoroughly and immediately after use.
- Avoid contact with the skin, eyes or mouth.
- In case of accidental spillage onto skin, wash off immediately with soap and water.
- If the veterinary medicinal product accidentally gets into the eyes, they should be rinsed with water immediately, with the eyelids open, and for a sufficient length of time.
- Treated animals must not be handled for at least eight hours after application of the product. It is therefore recommended to treat the animal in the evening.
- Treated animals should not be allowed to sleep with their owners, especially children, on the day of treatment.
- Used applicators should be disposed of immediately and not left within the sight or reach of children.

If skin or if eye irritation persists, or in case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician.

### Special precautions for the protection of the environment:

Not applicable.

### **3.6 Adverse events**

Cats:

|                                                                                |                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rare<br>(1 to 10 animals / 10,000 animals treated):                            | Scale (slight) <sup>1,2</sup> , Erythema <sup>1,2</sup> , Alopecia <sup>2</sup>                                                                                                                                                                      |
| Very rare<br>(<1 animal / 10,000 animals treated, including isolated reports): | Application site reaction (e.g. erythema, pruritus, lesion, inflammation, residue (white dry) <sup>1,3</sup> , hair change (wet haircoat) <sup>1,3</sup> )<br>Hyperactivity<br>Tachypnoea<br>Muscle tremor <sup>1,4</sup><br>Lethargy <sup>1,4</sup> |

<sup>1</sup> Transient.

<sup>2</sup> Usually disappear spontaneously without treatment.

<sup>3</sup> May persist up to 7 days, however, are usually not noticeable after 48 hours. These changes do not affect the safety or the efficacy of the veterinary medicinal product.

<sup>4</sup> In particular after application site licking.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

### **3.7 Use during pregnancy, lactation or lay**

The safety of the veterinary medicinal product has not been established during pregnancy and lactation in adult female cats.

#### Pregnancy and lactation:

Use only accordingly to the benefit/risk assessment by the responsible veterinarian. Laboratory studies with each of the components, dinotefuran or pyriproxyfen, in rats and rabbits have not produced any evidence of maternotoxic, teratogenic or foetotoxic effects.

In rats, dinotefuran has been shown to cross the blood-milk barrier and is excreted in the milk.

### **3.8 Interaction with other medicinal products and other forms of interaction**

None known

### 3.9 Administration routes and dosage

#### Dosage:

The minimum recommended dose is 42.3 mg dinotefuran/kg bodyweight and 4.23 mg pyriproxyfen/kg bodyweight.

The treatment dose range is 42.3 to 705 mg dinotefuran/kg bodyweight (bw) and 4.23 to 70.5 mg pyriproxyfen/kg bodyweight (bw) for cats of 0.6 kg to 10 kg bodyweight.

#### Method and route of administration:

Spot-on use.

Care should be taken to apply the veterinary medicinal product only onto intact (undamaged) cat's skin.

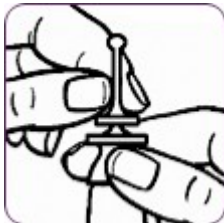
#### Treatment schedule:

Following a single administration, the veterinary medicinal product will prevent flea infestation for one month and prevent further flea multiplication by inhibiting flea emergence in the environment of the cat for 3 months. The need to re-treat cats which are likely to be re-infested, and the time interval between such treatments, should be based on an assessment by a veterinarian.

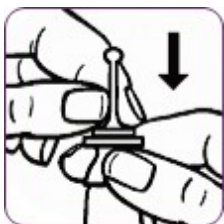
#### How to apply:

Remove the spot-on applicator from the pack.

**Step 1:** Hold the applicator upright, placing fingers below the larger disk as shown.



**Step 2:** With the other hand, press downwards on the smaller disk until the 2 disks meet evenly. This will pierce the seal.



**Step 3:** The cat should be standing or in a comfortable position for easy application. At the base of cat's head, part the hair until the skin is visible. Apply the veterinary medicinal product slowly with the tip of the applicator on the skin. Avoid superficial application to the cat's hair.



### **3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)**

No clinically important adverse reactions were observed in healthy kittens aged 7 weeks or more, topically treated 7 times at 2-week intervals and with up to 4 times the highest recommended dose except transient oedema or dry skin at the application site.

### **3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance**

Not applicable.

### **3.12 Withdrawal periods**

Not applicable

## **4. PHARMACOLOGICAL INFORMATION**

### **4.1 ATCvet code:**

QP53AX73

### **4.2 Pharmacodynamics**

Dinotefuran is an insecticide. Its structure is derived from the neurotransmitter acetylcholine and it acts on nicotinic acetylcholine receptors of the insect nerve synapse. Once bound to these receptors, the full agonist action of repeated excitatory impulses kills the insect. Insects do not have to ingest dinotefuran, it kills by contact. Dinotefuran has a low affinity for mammalian acetylcholine receptor sites. Fleas are killed by dinotefuran within 2 hours after treatment or infestation.

Pyriproxyfen is a photostable insect growth regulator (IGR). It acts through contact, by mimicking the juvenile hormone which regulates the moulting of insects from one life stage to the next. Pyriproxyfen stops the flea life cycle by both inducing premature oviposition and also suppressing yolk deposition in flea eggs, leading to the production of infertile eggs. Pyriproxyfen also blocks the development of juvenile stages (larvae and early (pharate) pupae) into adult emergence. This prevents infestation within the environment of the treated animal.

### **4.3 Pharmacokinetics**

Following topical application, the two actives rapidly distribute over the body surface of the animal within the first day and were still measurable in different zones of the hair coat one month after treatment.

Dinotefuran and pyriproxyfen are partially absorbed by the cat skin (30% and 12% respectively), but this systemic absorption is not relevant for the clinical efficacy of the product.

In laboratory species, after intra-peritoneal administration, dinotefuran is rapidly eliminated as the unchanged parent molecule mainly via the urine. After oral administration, pyriproxyfen is rapidly metabolized, principally by hydroxylation, and eliminated mainly in the faeces, and to a lesser extent in the urine.

### **Environmental properties**

The veterinary medicinal product is dangerous for fish and other aquatic organisms.

## **5. PHARMACEUTICAL PARTICULARS**

### **5.1 Major incompatibilities**

None known

### **5.2 Shelf life**

Shelf-life of the veterinary medicinal product as packaged for sale: 3 years

Shelf life after first opening the immediate packaging: use immediately.

### **5.3 Special precautions for storage**

This veterinary medicinal product does not require any special storage conditions.

### **5.4 Nature and composition of immediate packaging**

Spot-on applicator made of a multilayered complex of aluminium and polyethylene (PE) with a head made of HDPE, top-sealed with a liner complex (aluminium/polyester/sealable PE layer) in cardboard box.

#### Pack sizes:

Cardboard box containing 1, 3, 4, 6, 12 or 24 spot-on applicator(s) (0.9 ml each).

Not all pack sizes may be marketed.

### **5.5 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products**

Medicines should not be disposed of via wastewater.

The veterinary medicinal product should not enter water courses as this may be dangerous for fish and other aquatic organisms. Do not contaminate ponds, waterways or ditches with the veterinary medicinal product or with used containers.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

**6. NAME OF THE MARKETING AUTHORISATION HOLDER**

Ceva Animal Health Ltd

**7. MARKETING AUTHORISATION NUMBER**

Vm 15052/5025

**8. DATE OF FIRST AUTHORISATION**

06 June 2014

**9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS**

December 2025

**10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCT**

Veterinary medicinal product not subject to prescription.

Find more product information by searching for the 'Product Information Database' on [www.gov.uk](http://www.gov.uk)

*Gavin Hall*

Approved: 15 July 2026