

## **SUMMARY OF PRODUCT CHARACTERISTICS**

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

Imaverol 100 mg/ml Concentrate for Cutaneous Emulsion

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

**Active Substance:**            **per ml**

Enilconazole                    100 mg

For a full list of excipients, see section 6.1

### **3. PHARMACEUTICAL FORM**

Cutaneous emulsion  
Brown-yellow, clear, viscous solution.

### **4. CLINICAL PARTICULARS**

#### **4.1 Target Species**

Cattle  
Horse  
Dog

#### **4.2 Indications for use, specifying the target species**

For the treatment of dermatomycoses in cattle, horses and dogs induced by the following pathogenic fungi:

*Trichophyton verrucosum*

*Trichophyton mentagrophytes*

*Trichophyton equinum*

*Microsporum canis*

*Microsporum gypseum*

#### **4.3 Contraindications**

None.

#### **4.4 Special warnings for each target species**

None.

#### **4.5 Special precautions for use**

i. Special precautions for use in animals

The solution must be diluted before use.

For external use only. Where possible, do not allow the animal to lick itself during treatment. Take care to avoid the animal inhaling the product or getting it into the eyes, nose or mouth.

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

Wear suitable protective clothing including impermeable rubber gloves and safety glasses. If the concentrated solution comes into contact with the skin, remove any contaminated clothing immediately and wash skin generously with soap and water.

In the event of accidental eye exposure, flush eye thoroughly with running water. If irritation persists, seek medical attention. In the event of accidental ingestion, flush mouth with plenty of running water and seek medical advice.

Wash hands after use.

Accidental ingestion of the product by animals may lead to adverse reactions (see section 4.6).

#### **4.6 Adverse reactions (frequency and seriousness)**

In rare occasions, digestive signs (anorexia, salivation, vomiting) and nervous signs (ataxia, lethargy) were observed.

Skin disorders (pruritus, alopecia) have been reported very rarely based on post-marketing safety experience.

The frequency of adverse reactions is defined using the following convention:

- Very common (more than 1 in 10 animals displaying adverse reactions during the course of treatment)
- Common (more than 1 but less than 10 animals in 100 animals)
- Uncommon (more than 1 but less than 10 animals in 1,000 animals)
- Rare (more than 1 but less than 10 animals in 10,000 animals)
- Very rare (less than 1 animals in 10,000 animals, including isolated reports).

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

Laboratory studies in rodents have not produced evidence of embryotoxic or teratogenic effects.

This product may be given to pregnant and lactating animals.

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

None known.

#### **4.9 Amounts to be administered and administration route**

For topical use only.

To be prepared and administered in adequately ventilated surroundings.

The concentrated Imaverol solution should be diluted by adding 1 part to 50 parts warm water to provide a 2 mg/ml emulsion.

Dermatophytes will extend into the hair follicles. Possible crusts must therefore be removed with a hard brush which has been soaked in the diluted Imaverol emulsion.

It is highly recommended that the animal is sprayed entirely at the first treatment so as to reach the subclinical lesions as well.

*Cattle:* depending on the nature of the lesions, cattle should be treated 3 to 4 times at 3-day intervals. The animals should either be washed with the diluted emulsion or the emulsion should be applied to them with a sprayer or high-pressure cleaning unit.

*Horses:* the lesions and surrounding skin should be washed with the diluted emulsion 4 times at 3-day intervals.

*Dogs:* the animals should be washed with the diluted emulsion 4 times at 3-day intervals. While doing this, one should rub thoroughly in the direction opposite to the hair growth to make sure that the skin is thoroughly wet. For the same reason, it is recommended that long haired dogs be clipped before treatment.

Alternatively, dogs may be dipped thoroughly in a bath containing the prepared emulsion, care should be taken not to get the product in the eyes, nose or mouth.

#### **4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

None known.

Enilconazole as a 2 mg/ml emulsion is well tolerated. Supportive treatment as required.

#### **4.11 Withdrawal Period(s)**

Cattle: Meat - Zero days      Cattle: Milk - zero hours.

Horse: Meat - Zero days.

### **5. PHARMACOLOGICAL PROPERTIES**

**Pharmacotherapeutic group:** Antifungals for topical use – imidazole and triazole derivatives.

**ATCvet code:** QD01AC90

## **5.1 Pharmacodynamic properties**

Enilconazole is a synthetic broad-spectrum antimycotic with a high activity against most of the common dermatophytes and various other fungi and yeasts.

It is a selective inhibitor of ergosterol biosynthesis, an essential component of the cell membrane of fungi and yeasts. This results in irreversible changes which are the origin of the fungicidal effect.

## **5.2 Pharmacokinetic properties**

The systemic availability after topical administration of enilconazole in animals is very low. An extensive first-pass metabolism has been demonstrated after oral administration. Tissue residues are almost non-existent and, relatively, are highest in the liver. Depletion from tissues and plasma occurs with a half-life of about 12 to 16 hours in cattle.

Enilconazole is extensively metabolised and the main excretion routes are urine and faeces. Excretion in the milk from cattle is very limited.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Sorbitan Monolaureate  
Polysorbate 20

### **6.2 Incompatibilities**

None known.

### **6.3 Shelf-life**

Shelf life of the veterinary medicinal product as packaged for sale: 3 years.  
Shelf life after first opening the immediate packaging: 3 months.  
Shelf life after dilution according to directions: 6 weeks.

### **6.4 Special precautions for storage**

Do not store above 25 °C  
Keep the bottle in the outer carton  
Keep in an adequately ventilated area

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

i) 100 ml pack size:

Container: amber Type III glass bottle containing 100 ml of concentrate.

Closure: tamper evident and child resistant polypropylene screw cap lined with LDPE

Dosing device: polypropylene measuring cup

ii) 1 litre pack size:

Container: white, high density polyethylene bottle with transparent window containing 1 litre of concentrate.

Closure: white high density polyethylene screw cap and seal insert lined with polyethylene

Dosing device: low density polyethylene measuring cup

Not all pack sizes may be marketed.

#### **6.6 Special precautions for the disposal of unused veterinary medicinal products or waste materials**

Do not allow the product to contaminate streams or water supplies.

Dispose of any unused product and empty containers in accordance with guidance from your local waste regulation authority.

#### **7. MARKETING AUTHORISATION HOLDER**

AUDEVARD  
37-39 rue de Neuilly  
92110 Clichy  
France

#### **8. MARKETING AUTHORISATION NUMBER**

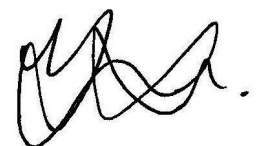
Vm 44684/4003

#### **9. DATE OF FIRST AUTHORISATION**

13 August 1985

#### **10. DATE OF REVISION OF THE TEXT**

November 2022



Approved: 30 November 2022