

thiamacare[®] 10 mg/ml

Thiamacare 10 mg/ml Oral solution for Cats

Thiamazole

Marketing Authorisation Holder:

Ecuphar NV, Legeweg 157-i, B-8020 Oostkamp, Belgium

Manufacturer responsible for batch release:

Quay Pharmaceuticals Ltd, Quay House, Unit 28, Parkway

Deeside Industrial Park, Deeside, CH5 2NS, United Kingdom

Name of the veterinary medicinal product

Thiamacare 10 mg/ml Oral solution for Cats

Thiamazole

Statement of the active substance and other ingredient

Each ml contains:

Active substance:

Thiamazole 10 mg

Excipients, q.s.

Clear, colourless to pale yellow, homogeneous solution.

Indication

For the stabilisation of hyperthyroidism in cats prior to surgical thyroidectomy.

For the long-term treatment of feline hyperthyroidism.

Contraindications

Do not use in cats suffering from systemic disease such as primary liver disease or diabetes mellitus.

Do not use in cats showing signs of autoimmune disease such as anaemia, multiple inflamed joints, skin ulceration and crusting.

Do not use in animals with disorders of white blood cells, such as neutropenia and lymphopenia. Symptoms may include lethargy and increased susceptibility to infection.

Do not use in animals with platelet disorders and coagulopathies (particularly thrombocytopenia). Symptoms may include bruising and excessive bleeding from wounds.

Do not use in cats with hypersensitivity to thiamazole or to any of the excipients.

Do not use in pregnant or lactating females.

Adverse reactions

Possible immunological side effects include anaemia, with rare side effects including thrombocytopenia and serum anti-nuclear antibodies, and, very rarely, lymphadenopathy can occur. Symptoms may include bruising, excessive bleeding, multiple inflamed joints and skin changes such as crusting and ulceration. Treatment should be stopped immediately and alternative therapy considered following a suitable period for recovery.

Following long-term treatment with thiamazole in rodents, an increased risk of neoplasia in the thyroid gland has been shown to occur, but no evidence is available in cats.

Adverse reactions are uncommon. The most clinical side effects that are reported include

- Vomiting
- Inappetence/anorexia
- Lethargy (extreme tiredness)
- Severe pruritus and excoriations of the head and the neck
- Jaundice (yellow discolouration) of membranes of the mouth, eye and skin associated with liver disease
- Increased bleeding and/or bruising associated with liver disease
- Hematological (blood cell) abnormalities (eosinophilia, lymphocytosis, neutropenia, lymphopenia, slight leucopenia, agranulocytosis, thrombocytopenia or haemolytic anaemia)

These side effects resolve within 7 - 45 days after cessation of thiamazole therapy.

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

- very common (more than 1 in 10 animals treated displaying adverse reaction(s))
- common (more than 1 but less than 10 animals in 100 animals treated)
- uncommon (more than 1 but less than 10 animals in 1,000 animals treated)
- rare (more than 1 but less than 10 animals in 10,000 animals treated)
- very rare (less than 1 animal in 10,000 animals treated, including isolated reports)

If you notice any side effects, even those not already listed in this package leaflet or you think that the medicine has not worked, please inform your veterinary surgeon.

Target species

Cats.

Dosage for each species, routes and method of administration

For oral use.

The product should be administered directly into the mouth of the cat. Do not administer in food as efficacy of the product when administered via this route has not been established.

For the stabilisation of feline hyperthyroidism prior to surgical thyroidectomy and for the long term treatment of feline hyperthyroidism, the recommended starting dose is 5 mg per day.

The total daily dose should be divided into two and administered morning and evening. In order to enhance stabilisation of the hyperthyroid patient the same dosing schedule relative to feeding should be used daily.

Additional information for the treating veterinarian:

Haematology, biochemistry and serum total T4 should be assessed before initiating treatment and after 3 weeks, 6 weeks, 10 weeks, 20 weeks, and thereafter every 3 months. At each of the recommended monitoring intervals, the dose should be titrated to effect according to the total T4 and to clinical response to treatment. Standard dose adjustments should be made in increments of 2.5 mg (0.25 ml of the product) and the aim should be to achieve the lowest possible dose rate. In cats that require particularly small dose adjustments, increments of 1.25 mg of thiamazole (0.125 ml of the product) can be used. If total T4 concentration drops below the lower end of the reference interval, and particularly if the cat is showing clinical signs of iatrogenic hypothyroidism (e.g. lethargy, inappetence, weight gain and/or dermatological signs such as alopecia and dry skin), consideration should be given to reducing the daily dosage and/or dosing frequency.

If more than 10 mg per day is required animals should be monitored particularly carefully.

The dose administered should not exceed 20 mg per day. For long-term treatment of hyperthyroidism, the animal should be treated for life.

In order to enhance stabilisation of the hyperthyroid patient the same feeding and dosing schedule should be used daily.

Advice on correct administration

Follow the dosing instructions and duration of treatment advised by the veterinary surgeon.

Withdrawal Not applicable.

Special storage precautions

Keep out of the sight and reach of children.

Keep the container tightly closed.

Do not use this veterinary medicinal product after the expiry date which is stated on the label after EXP. The expiry date refers to the last day of that month.

Shelf life after first opening of the container. 3 months.

Special warnings

Special warnings for each target species:

In order to enhance stabilisation of the hyperthyroid patient the same feeding and dosing schedule should be used daily.

Special precautions for use in animals:

Cats should always have access to drinking water.

Please inform the veterinarian if your cat has kidney problems.

If your cat suddenly appears unwell during treatment, particularly if s/he is febrile (has a high temperature), s/he should be examined by a veterinarian as soon as possible and have a blood sample taken for routine haematology.

Information for the treating veterinarian:

If more than 10 mg per day is required animals should be monitored particularly carefully.

Use of the product in cats with renal dysfunction should be subject to careful risk/benefit assessment by the clinician. Due to the effect thiamazole can have on reducing the glomerular filtration rate, the effect of therapy on renal function should be monitored closely as deterioration of an

underlying condition may occur.

Haematology must be monitored due to risk of leucopenia or haemolytic anaemia.

Any animal that suddenly appears unwell during therapy, particularly if they are febrile, should have a blood sample taken for routine haematology and biochemistry.

Neutropenic animals (neutrophil counts $<2.5 \times 10^9/l$) should be treated with prophylactic bactericidal antibacterial drugs and supportive therapy.

Please refer to section: Dosage for each species, routes and method of administration/Additional information for the treating veterinarian for monitoring instructions.

As thiamazole can cause haemoconcentration, cats should always have access to drinking water.

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

People with known hypersensitivity (allergy) to thiamazole, or one of the excipients, should avoid contact with the veterinary medicinal product. If allergic symptoms develop, such as a skin rash, swelling of the face, lips or eyes or difficulty in breathing, you should seek medical attention immediately and show the package leaflet or label to the doctor.

Thiamazole may cause gastrointestinal disturbances, headache, fever, joint pain, pruritus (itching) and pancytopenia (decrease in blood cells and platelets).

The product may also cause skin irritation.

Avoid dermal and oral exposure, including hand-to-mouth contact.

Do not eat, drink or smoke while handling the product or used litter.

Wash hands with soap and water after administration of the product and handling the vomit of, or litter used by, treated animals. Wash any spillages from skin immediately. Following administration of the product any residual product remaining on the tip of the dosing syringe should be wiped clean with a tissue. The contaminated tissue should be immediately disposed of.

The used syringe should be stored with the product in the original carton.

In case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician.

This product may cause eye irritation.

Avoid eye contact including hand to eye contact.

In case of accidental eye contact, rinse eyes immediately with clean running water. If irritation develops, seek medical advice.

As thiamazole may cause harm to the unborn child, women of child-bearing age must wear non-permeable single use gloves when administering the product or handling the litter/vomit of treated cats.

If you are pregnant, think you may be pregnant or are attempting to conceive, you should not administer the product or handle the litter/vomit of treated cats.

For animal treatment only.

Keep out of the sight and reach of children.

Pregnancy and lactation:

Do not use in pregnant or lactating females.

Additional information for the treating veterinarian:

Laboratory studies in rats and mice have shown evidence of teratogenic and embryotoxic effects of thiamazole. The safety of the product was not assessed in pregnant or lactating cats.

Interaction with other medicinal products and other forms of interaction:

Please inform the veterinarian if your cat is receiving any other medicines or if your cat is going to be vaccinated.

Information for the treating veterinarian:

Concurrent treatment with phenobarbital may reduce the clinical efficacy of thiamazole.

Thiamazole is known to reduce the hepatic oxidation of benzimidazole wormers and may lead to increases in their plasma concentrations when given concurrently.

Thiamazole is immunomodulatory, therefore this should be taken into account when considering vaccination programmes.

Overdose (symptoms, emergency procedures, antidotes):

If you think you have given your cat more than you should (an overdose), stop treatment and contact your veterinarian who may need to give symptomatic and supportive care.

For signs of overdose, please refer to the "Adverse reactions" section of this package leaflet.

Information for the treating veterinarian:

In tolerance studies in young healthy cats, the following dose-related clinical signs occurred at doses of up to 30 mg/animal/day: anorexia, vomiting, lethargy, pruritus and haematological and biochemical abnormalities such as neutropenia, lymphopenia, reduced serum potassium and phosphorus levels, increased magnesium and creatinine levels and the occurrence of anti-nuclear antibodies. At a dose of 30 mg/day some cats showed signs of haemolytic anaemia and severe clinical deterioration. Some of these signs may also occur in hyperthyroid cats treated at doses of up to 20 mg per day.

Excessive doses in hyperthyroid cats may result in signs of hypothyroidism. This is however unlikely, as hypothyroidism is usually corrected by negative feedback mechanisms.

Please refer to Section: Adverse reactions.

If overdosage occurs, stop treatment and give symptomatic and supportive care.

Incompatibilities:

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

Special precautions for the disposal of unused product or waste materials, if any

Medicines should not be disposed of via wastewater or household waste. Ask your veterinary surgeon or pharmacist how to dispose medicines no longer required. These measures should help to protect the environment.

Date on which the package leaflet was last approved: June 2020

Other information

The medicinal product is available in 30 ml presentation and an oral syringe of 1.0 ml is provided as dosing device. For animal treatment only.

Information for the treating veterinarian:

Pharmacodynamic properties

Thiamazole acts by blocking the biosynthesis of thyroid hormone *in vivo*. The primary action is to inhibit binding of iodide to the enzyme thyroid peroxidase, thereby preventing the catalysed iodination of thyroglobulin and T3 and T4 synthesis.

Pharmacokinetic particulars

Following oral dosing in healthy cats, thiamazole is rapidly and completely absorbed with a bioavailability of $>75\%$. However, there is a considerable variation between animals. Elimination of the drug from cat plasma is rapid with a half-life of 2.6-7.1 hours. Peak plasma levels occur within a maximum of 1 hour after dosing. C_{max} is $1.6 \pm 0.4 \mu\text{g/ml}$.

In rats thiamazole has been shown to be poorly bound to plasma protein (5 %); 40 % was bound to red blood cells. The metabolism of thiamazole in cats has not been investigated, however, in rats thiamazole is rapidly metabolized. For man and rats, it is known that the drug can cross the placenta and concentrates in the foetal thyroid gland. There is also a high rate of transfer into breast milk.

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UK
Vm 32742/4013

POM-V
To be supplied only on
veterinary prescription

MU 9047_B_20_01



innovativegraphics

CLIENT Animalcare

DESCRIPTION Thiamacare_UKMT_PIL (Quay)

JOB NO

DATE 20 April 2020

VERSION Version 6

VERSION DATE 2 June 2020

NOTES Scale: Actual size

Quay Batch Release version

Pantone Black

Minimum typesize 9pt

SIZE IN MM: 170 x 540mm

