

**PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE**

Glass vial

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

Euthasol vet. 400 mg/ml solution for injection  
Pentobarbital sodium

**2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES**

Per ml:

**Active substance:**

Pentobarbital sodium 400 mg  
(equivalent to pentobarbital 364.6 mg)

**3. PHARMACEUTICAL FORM**

Sol. Inj.

**4. PACKAGE SIZE**

100 ml  
250 ml

**5. TARGET SPECIES**

Dogs, cats, rodents, rabbits, cattle, sheep, goats, horses, mink.

**6. INDICATION(S)**

Euthanasia

**7. METHOD AND ROUTE(S) OF ADMINISTRATION**

Read the package leaflet before use.

**8. WITHDRAWAL PERIOD**

Withdrawal period: read the package leaflet.

**9. SPECIAL WARNING(S), IF NECESSARY**

Accidental injection is dangerous – READ the package leaflet before use.

**10. EXPIRY DATE**

EXP {month/year}

Once broached/opened, use by...

The stopper should not be punctured more than 20 times.

<b>11. SPECIAL STORAGE CONDITIONS</b>
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Do not freeze.

Store in the original packaging to protect from light.

<b>12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY</b>
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<b>13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, if applicable</b>
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For animal treatment only - to be supplied only on veterinary prescription.

<b>14. THE WORDS “KEEP OUT OF THE REACH AND SIGHT OF CHILDREN”</b>
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Keep out of the reach and sight of children.

<b>15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER</b>
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Le Vet B.V.  
Wilgenweg 7  
3421 TV Oudewater  
The Netherlands

<b>16. MARKETING AUTHORISATION NUMBER</b>
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Vm 19994/4016

<b>17. MANUFACTURER'S BATCH NUMBER</b>
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Batch {number}

## PARTICULARS TO APPEAR ON THE OUTER PACKAGE

Carton

### 1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Euthasol vet. 400 mg/ml solution for injection  
Pentobarbital sodium

### 2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Per ml:

**Active substance:**

Pentobarbital sodium 400 mg  
(equivalent to pentobarbital 364.6 mg)

**Excipient(s):**

Benzyl alcohol (E1519) 20 mg  
Patent Blue V (E131) 0.01 mg

### 3. PHARMACEUTICAL FORM

Solution for injection

### 4. PACKAGE SIZE

100 ml  
250 ml

### 5. TARGET SPECIES

Dogs, cats, rodents, rabbits, cattle, sheep, goats, horses, mink.

### 6. INDICATION(S)

Euthanasia

### 7. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

### 8. WITHDRAWAL PERIOD

Withdrawal period: Carcasses of animals treated with this product and by products of these animals should not enter the food chain.

## **9. SPECIAL WARNING(S), IF NECESSARY**

- Pentobarbital is potentially toxic in man. It can be absorbed systemically through the skin and if swallowed.
- Impermeable protective gloves should be worn when handling this product.
- Avoid accidental ingestion and self-injection.
- In case of accidental self-injection, ingestion or spillage onto skin or into eyes, seek medical advice immediately and show the package leaflet to the physician.
- DO NOT drive as sedation may occur.
- For complete user warnings, see package leaflet.

## **10. EXPIRY DATE**

EXP {month/year}

Shelf-life after first opening the immediate packaging: 28 days

Once broached/opened, use by...

The stopper should not be punctured more than 20 times.

## **11. SPECIAL STORAGE CONDITIONS**

Do not freeze.

Store in the original packaging to protect from light.

## **12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**

Disposal: read the package leaflet.

## **13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, if applicable**

For animal treatment only - to be supplied only on veterinary prescription.

## **14. THE WORDS “KEEP OUT OF THE REACH AND SIGHT OF CHILDREN”**

Keep out of the reach and sight of children.

## **15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

Le Vet B.V.  
Wilgenweg 7  
3421 TV Oudewater  
The Netherlands

## **16. MARKETING AUTHORISATION NUMBER**

Vm 19994/4016

<b>17. MANUFACTURER'S BATCH NUMBER</b>
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Batch {number}

## PACKAGE LEAFLET

Euthasol vet. 400 mg/ml solution for injection

### 1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT

Marketing authorisation holder:

Le Vet B.V.  
Wilgenweg 7  
3421 TV Oudewater  
The Netherlands

Manufacturer for the batch release:

Produlab Pharma B.V.  
Forellenweg 16  
4941 SJ Raamsdonksveer  
The Netherlands

### 2. NAME OF THE VETERINARY MEDICINAL PRODUCT

Euthasol vet. 400 mg/ml, solution for injection (AT, BE, DK, EE, EL, FI, IE, IS, LT, LU, LV, NO, PL, RO, SE, UK)

Euthasol 400 mg/ml, solution for injection (ES, PT)

Euthasol vet. solution for injection (FR)

Euthasol vet. 400 mg/ml solution for injection for dogs, cats, rodents, rabbits, cattle, sheep, goats, horses and mink (IT)

Pentobarbital sodium

### 3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENT(S)

Per ml:

**Active substance:**

Pentobarbital sodium 400 mg  
(equivalent to pentobarbital 364.6 mg)

**Excipient(s):**

Benzyl alcohol (E1519) 20 mg  
Patent Blue V (E131) 0.01 mg

### 4. INDICATION(S)

Euthanasia

## **5. CONTRAINDICATIONS**

**Do not use** for anaesthesia.

## **6. ADVERSE REACTIONS**

Minor muscle twitching may occur after injection.

Death may be delayed if the injection is administered perivascularly or into organs/tissues with low capacity for absorption. Barbiturates can be irritating when administered perivascularly.

Pentobarbital sodium has the ability to cause induction excitement.

Premedication/sedation significantly reduces the risk of experiencing induction excitement.

Very occasionally one or a few gasping respirations occur after cardiac arrest. At this stage the animal is already clinically dead.

## **7. TARGET SPECIES**

Dogs, cats, rodents, rabbits, cattle, sheep, goats, horses and mink.

## **8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION**

A dose of 140mg/kg, equivalent to 0.35ml/kg, is considered sufficient for all indicated routes of administration.

The intravenous route of administration should be the route of choice and adequate sedation should be applied if deemed necessary by the veterinary surgeon. For horses and cattle premedication is mandatory.

When intravenous administration is difficult, and only following deep sedation or anaesthesia, the product may be administered via the intracardiac route.

Alternatively, for small animals only, administration via the intraperitoneal route could be used, but only following appropriate sedation.

The intravenous injection in companion animals should be carried out with a continuous injection rate until unconsciousness occurs.

In horses and cattle, pentobarbital should be injected rapidly.

## **9. ADVICE ON CORRECT ADMINISTRATION**

Intravenous injection of pentobarbital has the ability to cause induction excitement in several species of animal and adequate sedation should be applied if deemed necessary by the veterinary surgeon. Measures should be taken to avoid perivascular administration (e.g. by using intravenous catheter).

The intraperitoneal route of administration may cause a prolonged onset of action with an increased risk of induction excitement. Intraperitoneal administration must only be used following appropriate sedation. Measures should be taken to avoid

administration into the spleen or organs/tissue with low capacity for absorption. This route of administration is only suitable for small animals.

Intracardiac injection must only be used if the animal is heavily sedated, unconscious, or anesthetized.

To reduce the risk of induction excitement, euthanasia should be performed in a quiet area.

In horses and cattle, premedication with an appropriate sedative must be used to produce profound sedation before euthanasia and an alternative method of euthanasia should be available.

## **10. WITHDRAWAL PERIOD**

Adequate measures should be taken to ensure that carcasses of animals treated with this product and the by-products of these animals do not enter the food chain and are not used for human or animal consumption.

## **11. SPECIAL STORAGE PRECAUTIONS**

Keep out of the reach and sight of children.

Do not freeze.

Do not use after the expiry date stated on the vial after EXP.

Shelf-life after first opening the immediate packaging: 28 days.

The stopper should not be punctured more than 20 times.

## **12. SPECIAL WARNING(S)**

### **Special precautions for use in animals**

- The intravenous route of administration should be the route of choice and adequate sedation should be applied if deemed necessary by the veterinary surgeon. For horses and cattle premedication is mandatory.

Where intravenous administration is impossible, and only following deep sedation, the product may be administered via the intracardiac route in all named species. Alternatively, for small animals only, administration via the intraperitoneal route could be used, following appropriate sedation.

- In the event of accidental administration to an animal not presented for euthanasia, measures such as artificial respiration, administration of oxygen and the use of analeptics are appropriate.

- Ingestion of euthanased animals by other animals may lead to intoxication, anaesthesia and even death. Barbiturates are also highly stable to cooking temperature. Due to the risk of secondary intoxication animals euthanased with the veterinary medicinal product should not be fed to other animals but should be disposed of in accordance with national legislation and in a manner that other animals cannot have access to the carcasses.

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



Pentobarbital is a potent hypnotic and a sedative, and thus potentially toxic in man. It can be absorbed systemically through the skin and if swallowed. Particular care should be taken to avoid accidental ingestion and self-injection.

In case of accidental self-injection, ingestion or spillage onto skin or into eyes, seek medical advice immediately and show the package leaflet or the label to the physician. DO NOT drive as sedation may occur.

In case of accidental self-injection, obtain URGENT medical attention, advising medical services of barbiturate poisoning.

In case of spillage onto skin, wash the exposed skin immediately after exposure with large amount of water.

In case of contact with eyes, rinse immediately with plenty of fresh water and obtain medical advice.

In case of ingestion, wash out mouth and obtain medical attention immediately.

Impermeable protective gloves should be worn when handling this product.

People with known hypersensitivity to pentobarbital should avoid contact with the veterinary medicinal product or administer the product with caution.

Advice to Doctor: The concentration of pentobarbital in the product is such that the accidental injection or ingestion of quantities as small as 1ml in human adults can have serious CNS effects. A dose of pentobarbital sodium of 1g (equivalent to 2.5ml of product) has been reported to be fatal in humans. Treatment should be supportive with appropriate intensive therapy and maintaining the respiration.

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

If euthanasia is necessary, the product can be used in pregnant or lactating animals.

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

When an aggressive animal is to undergo euthanasia, premedication with a more easily administered (oral, subcutaneous or intramuscular) sedative is recommended.

Although premedication with sedatives may delay the desired effect of the product due to decreased circulatory function this may not be clinically noticeable since CNS depressant drugs (opioids,  $\alpha_2$  adrenoreceptor agonists, phenothiazines etc) can also increase the effect of pentobarbital.

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

Not applicable.

#### **Incompatibilities**

Do not mix with other medicinal products.

### **13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

### **14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED**

## 15. OTHER INFORMATION

100 ml colourless type II glass vial with a light grey bromobutyl rubber stopper and an aluminium cap.

250 ml colourless type II glass vial with a dark grey bromobutyl rubber stopper and an aluminium cap.

Not all pack sizes may be marketed.

A handwritten signature in black ink, appearing to be 'A. Har' or similar, with a stylized flourish at the end.

Approved: 20 October 2016