

**ANNEX III**  
**LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

**<PARTICULARS TO APPEAR ON THE OUTER PACKAGE>**

{CARTON BOX 1 SYRINGE, 7 SYRINGES, 14 SYRINGES},  
BULK PACK OF 72 SYRINGES

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

GastroGard 370 mg/g oral paste  
Omeprazole

**2. STATEMENT OF ACTIVE SUBSTANCES**

Each gram contains:

Omeprazole: 370 mg

**3. PHARMACEUTICAL FORM**

Oral paste.

**4. PACKAGE SIZE**

1 x 6.16g syringe  
7 x 6.16g syringes  
14 x 6.16g syringes  
72 x 6.16g syringes

**5. TARGET SPECIES**

Horses

**6. INDICATION(S)**

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

Oral route.

Read the package leaflet before use.

**8. WITHDRAWAL PERIOD(S)**

Withdrawal period (s):  
Meat and offal: 1 day

Not permitted for use in mares producing milk for human consumption.

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

Not recommended for animals under 4 weeks of age or weighing less than 70 kg bodyweight.

In the absence of data during pregnancy and lactation, the use of GastroGard in pregnant and lactating mares is not recommended.

User warnings: read the package leaflet before use.

#### **10. EXPIRY DATE**

<EXP {month/year}>

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

#### **11. SPECIAL STORAGE CONDITIONS**

Do not store above 30°C. Replace cap after use.

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

Disposal: read 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 SIGHT AND REACH OF CHILDREN”**

Keep out of the sight and reach of children.

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

Boehringer Ingelheim Animal Health UK Ltd, Bracknell, RG12 8YS, UK

Boehringer Ingelheim Vetmedica GmbH, 55216 Ingelheim/Rhein, Germany

#### **16. MARKETING AUTHORISATION NUMBER**

Vm 08327/4205

VPA10454/058/001

#### **17. MANUFACTURER'S BATCH NUMBER**

Lot {number}

**MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS**

SYRINGES

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

GastroGard 370 mg/g oral paste  
**Omeprazole**



**2. QUANTITY OF THE ACTIVE SUBSTANCE(S)**

370 mg/g

**3. CONTENTS BY WEIGHT, BY VOLUME OR BY NUMBER OF DOSES**

6.16 g of paste.

**4. ROUTE(S) OF ADMINISTRATION**

Oral route.

**5. WITHDRAWAL PERIOD(S)**

Withdrawal period (s):  
Meat and offal : 1 day. Not permitted for use in mares producing milk for human consumption

**6. BATCH NUMBER**

Lot {number}

**7. EXPIRY DATE**

EXP {month/year}  
Once broached, use by

**8. THE WORDS "FOR ANIMAL TREATMENT ONLY"**

For animal treatment only.

## **B. PACKAGE LEAFLET**

## PACKAGE LEAFLET

GastroGard 370 mg/g oral paste

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

Marketing authorisation holder

Boehringer Ingelheim Animal Health UK Ltd, Bracknell, RG12 8YS, UK

Boehringer Ingelheim Vetmedica GmbH, 55216 Ingelheim/Rhein, Germany

Manufacturer for the batch release:

Boehringer Ingelheim Animal Health France SCS  
4, Chemin du Calquet  
31000 TOULOUSE  
France

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

GastroGard 370 mg/g oral paste  
omeprazole

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

Each gram contains:

Active substance:  
Omeprazole: 370 mg

Excipients:  
Yellow Iron Oxide (E 172): 2 mg

Smooth homogeneous yellow to yellow-tan paste.

### **4. INDICATION(S)**

Treatment and prevention of gastric ulcers in horses.

### **5. CONTRAINDICATIONS**

Do not use in mares producing milk for human consumption.  
Not recommended for animals under 4 weeks of age or weighing less than 70 kg bodyweight.

### **6. ADVERSE REACTIONS**

None known

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.

## **7. TARGET SPECIES**

Horses.

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

Treatment of gastric ulcers: one administration per day during 28 consecutive days at the dose rate of 4 mg omeprazole per kg body weight followed immediately by a dosage regimen of one administration per day during 28 consecutive days at the dose rate of 1 mg omeprazole per kg body weight, to reduce the recurrence of gastric ulcers during treatment.

Should recurrence occur, re-treatment at a dose rate of 4 mg omeprazole per kg body weight is recommended.

Prevention of gastric ulcers: one administration per day at the dose rate of 1 mg omeprazole per kg body weight.

Oral administration.

GastroGard is effective in horses of various breeds and under different management conditions; foals as young as four weeks of age and weighing over 70 kg ; and breeding stallions.

It is recommended to associate the treatment with changes of husbandry and training practices. Please see also "Special Precautions for Use".

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

To deliver GastroGard at the dose of 4 mg omeprazole/kg, set the syringe plunger to the appropriate dose division for the horse's weight. Each full dose division on the syringe plunger delivers sufficient omeprazole to treat 100 kg body weight. The contents of one syringe will treat a 575 kg horse at the rate of 4 mg omeprazole per kg body weight.

To deliver GastroGard at the dose of 1 mg omeprazole/kg, set the syringe plunger to the dose division equivalent to one quarter the horse's body weight. At this dose, each full dose division on the syringe plunger will deliver sufficient omeprazole to treat 400 kg body weight. For example, to treat a horse weighing 400 kg, set the plunger to 100 kg.

## **10. WITHDRAWAL PERIOD(S)**

Meat and offal : 1 day

Not permitted for use in mares producing milk for human consumption.

## **11. SPECIAL STORAGE PRECAUTIONS**

Keep out of the sight and reach of children.

Do not store above 30°C. Replace cap after use.  
Shelf life after first opening the immediate packaging: 28 days.  
Do not use after the expiry date stated on the label after EXP. The expiry date refers to the last day of that month.

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

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

None

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

Stress (including high performance training and competition), feeding, management and husbandry practices may be associated with the development of gastric ulceration in horses. Individuals responsible for the well-being of horses should consider reducing the ulcerogenic challenge by modifying husbandry practices to achieve one or more of the following: reduced stress, reduced fasting, increased intake of roughage and access to grazing.

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

As this product may cause hypersensitivity, avoid direct contact with skin and eyes. Use impervious gloves and do not eat or drink when handling and administering the product. Wash hands or any exposed skin after use. In case of contact with eyes, wash immediately with clean running water and seek medical advice. Persons developing a reaction after contact with the product should avoid handling the product in future.

### Pregnancy and lactation:

Laboratory studies in rats and rabbits have not produced any evidence of a teratogenic effect.

In the absence of data during pregnancy and lactation, the use of GastroGard in pregnant and lactating mares is not recommended.

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

Omeprazole may delay the elimination of warfarin. No other interaction with medicines routinely used in the treatment of horses is expected, although interaction with drugs metabolised by liver enzymes cannot be excluded.

### Overdose (symptoms, emergency procedures, antidotes):

No undesirable effects related to treatment were observed following daily use for 91 days at omeprazole dosages up to 20 mg/kg in adult horses and in foals older than 2 months.

No undesirable effects related to treatment (in particular no adverse effect on the semen quality or reproductive behaviour) were observed following daily use for 71 days at an omeprazole dosage of 12 mg/kg in breeding stallions.

No undesirable effects related to treatment were observed following daily use for 21 days at an omeprazole dosage of 40 mg/kg in adult horses.

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

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

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

### **15. OTHER INFORMATION**

#### **Pharmacodynamic properties**

In studies lasting up to 28 days, treatment with GastroGard at the dose rate of 1 mg omeprazole per kg body weight per day has been shown to help prevent the occurrence of gastric ulcers in horses exposed to ulcerogenic conditions.

Omeprazole is a proton pump inhibitor belonging to the substituted benzimidazole class of compounds. It is an antacid, for treatment of peptic ulcers. Omeprazole suppresses gastric acid secretion by specific inhibition of the H<sup>+</sup>/K<sup>+</sup>-ATPase enzyme system at the secretory surface of the parietal cell. The H<sup>+</sup>/K<sup>+</sup>-ATPase enzyme system is the acid (proton) pump within the gastric mucosa. Because H<sup>+</sup>/K<sup>+</sup>-ATPase is the final step involved in control of acid secretion, omeprazole blocks secretion irrespective of the stimulus. Omeprazole irreversibly binds to the gastric parietal cell H<sup>+</sup>/K<sup>+</sup>-ATPase enzyme that pumps hydrogen ions into the lumen of the stomach in exchange for potassium ions. At 8, 16 and 24 hours after dosing horses with omeprazole at 4 mg/kg/day orally, pentagastrin-stimulated gastric acid secretion was inhibited by 99%, 95% and 90% and basal secretion was inhibited by 99%, 90% and 83%. The full effect on the inhibition of acid secretion is reached by five days after the first administration.

#### **Pharmacokinetic properties**

The median bioavailability of omeprazole after oral administration as a paste is 10.5% (range 4.1 to 12.7%). The absorption is rapid with time to maximum plasma concentrations (T<sub>max</sub>) of approximately one hour after dosing. Mean peak concentration (C<sub>max</sub>) ranges from 385 ng/ml to 693 ng/ml after dosing with 4 mg/kg. There is a significant first-pass effect following oral administration. Omeprazole is rapidly metabolised principally into glucuronides of demethylated and hydroxylated omeprazole sulfide (urinary metabolites) and methyl sulphide omeprazole (biliary metabolite) as well as into reduced omeprazole (both). After oral administration at 4 mg/kg, omeprazole is detectable in plasma for 9 hours after treatment, and in urine as hydroxyomeprazole and O-desmethylomeprazole at 24 hours but not at 48 hours. Omeprazole is eliminated quickly, mainly by urinary route (43 to 61% of the dose), and to a smaller extent by faecal route, with a terminal half-life ranging from approximately 0.5 to 8 hours. After repeated oral administration, there is no evidence of accumulation.

**Package size:**

Carton box of 1, 7 or 14 syringes

Bulk pack of 72 syringes

Not all pack sizes may be marketed

Approved 28 May 2020

A handwritten signature in black ink, consisting of a series of connected, wavy lines that form a cursive name.

