

# Gastropell® Daily



**ORAL PASTE** PATENTED FORMULATION

APVMA Approval No. 62558/0909 (Australia) | ACVM No. A10165 (New Zealand) | SENASA No. 12-075 (Argentina)

## Enteric-coated Omeprazole oral paste for the treatment and prevention of gastric ulcers



Ideal for horses in light work or low stress scenarios, foals and ponies.

### ACTIVE CONSTITUENT

Omeprazole 50 mg/mL Enteric-coated

### PACK SIZE

Pack of 5 x 30mL syringes

Pail of 50 x 30mL syringes

### Indications

Gastropell Daily is the product of choice in the treatment and prevention of low grade gastric ulceration. Ideal for use in horses in light work or under low stress scenarios and for low dose omeprazole dosing of foals and ponies.

Clinical signs of gastric ulceration include depressed appetite, behavioural changes, poor hair coat, recurrent low grade colic, intermittent loose faeces, chronic diarrhoea, poor body condition and poor performance. FOALS: Signs in foals include depressed appetite or inappetence, teeth grinding, dribbling saliva, colic, diarrhoea, sternal recumbency, dog sitting or weakness.

For accurate diagnosis direct endoscopic examination of the gastric mucosa (gastroscopy) is recommended.

### Pharmacology

Gastropell Daily contains omeprazole, a dose-dependant inhibitor of gastric acid secretion. Clinical trial data indicates that Gastropell Daily will inhibit gastric acid secretion to maintain gastric acidity at a non-aggressive level, which allows existing ulcers to heal within two weeks of commencing treatment, and that a reduced daily dose will prevent the recurrence of ulcers.

Omeprazole is an inhibitor of gastric acid secretion. When given on a daily basis, omeprazole inhibits the enzyme system regarded as the acid (proton) pump within the gastric mucosa of the stomach by binding to the enzyme and blocking the first step of acid production.

Even though it is dosed orally, Gastropell Daily does not act directly on the stomach fluid. The drug passes through the stomach to the small intestine, where it is absorbed and travels via the bloodstream to the acid secreting cells of the stomach.

The powerful antisecretory effect of Gastropell Daily causes a dramatic reduction in the acidity of stomach fluid within days of commencing treatment, and because the gastric fluid is no longer irritating to the stomach lining, ulcers then heal spontaneously within two weeks. Continuation with reduced daily dosing then prevents ulcers from recurring.

The lower region of the stomach is permanently exposed to gastric acid and has innate protective mechanisms, which guard against acid attack. The squamous mucosa in the upper region of the stomach has no inherent protection and frequent splashing with gastric fluid soon erodes the lining to cause spot lesions, which can develop into deep haemorrhaging ulcers within weeks.

For horses and ponies fed intermittently, the stomach is left for long periods without ingestion of feed and without the mat of ingesta that helps to contain the acidic fluid. This exposure to acid is then increased during exercise when the stomach volume is reduced to half that of the rested horse and the gastric acid is forced up into the squamous region where it attacks the stomach lining.

The pattern of regular sessions of intense training and long periods of the day without ingestion of feed is, however, well tolerated by the performance horse in training if gastric acid secretion is blocked by Gastropell Daily – every day.

Gastropell Daily 10 mL/500 kg BW can provide rapid healing of stomach ulcers even when horses remain in training, which may be associated with the improvement in clinical signs within two weeks of commencing treatment.

When left untreated, ulcers can recur within two weeks with a severity and across an area equivalent to that prior to treatment. Available data indicates that regular daily maintenance dosing at a reduced rate prevents the recurrence of ulcers.

### Dosage and Administration

**Always administer Gastropell Daily on a relatively empty stomach. Administer a minimum of 20 minutes prior to feeding.**

**The enteric coated omeprazole beads may be damaged by chewing. Always administer at the back of the mouth over the base of the tongue.**

**Adult Horses:** Treatment Dose - 10 mL/500 kg BW (1.0 mg/kg BW) once daily for 2 to 4 weeks followed by daily maintenance dosing.

**Maintenance Dose** - 5 mL/500 kg BW (0.5 mg/kg BW) once daily while horses remain in training, or as directed by a veterinarian.

**The maintenance dose may be insufficient to prevent the recurrence of ulceration in horses subjected to increased stress such as intense training, heavy competition schedule, transport, etc.**

**Foals:** 2 mL/100 kg BW (1.0 mg/kg BW) once daily or as directed by a veterinarian.

### Safety Directions

May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.