

NORMOGEL OS

COMPOSITION: Mg(OH)₂ 100 mg + Al(OH)₃ 300 mg + Simethicone 50mg+Oxetacaine 10 mg per 5 ml Suspension

Available in 170 ml Bottle Pack

Antacids

Magnesium salts:

- ⊙ Forms: carbonate hydroxide, oxide, trisilicate.
- ⊙ Commonly cause a laxative effect.
- ⊙ Usually used with the other agents to counteract this effect.
- ⊙ Dangerous when used with renal failure-the Failing kidney cannot excrete magnesium, resulting in accumulation.

Aluminum salts:

- ⊙ **Forms: carbonate, hydroxide, phosphate.**
- ⊙ **Have constipating effects.**
- ⊙ **Often used with magnesium to counteract constipation.**

Example: aluminum carbonate

- ⊙ Antacids & Antiflatulents
- ⊙ Antiflatulents:

-Used to relieve the painful symptoms associated with gas.

- Several agents are used to bind or alter intestinal gas and are often added to antacid combination products.

Antacids & Antiflatulents

Simethicone:

- ⊙ Simethicone is an anti-gas (anti-flatulence) medication. It acts in the stomach and intestines to change the surface tension of gas bubbles, enabling smaller bubbles to join together into bigger bubbles. In this way it is believed that gas can be eliminated from the stomach or down from the colon

Oxetacaine

- ⊙ Oxetacaine is a potent **local anesthetic**. It is administered orally (usually in combination with an **antacid**) for the relief of pain associated with **peptic ulcer disease** or **esophagitis**. It is also used topically in the management of **hemorrhoid** pain.

The addition of the local anaesthetic oxethazaine to the antacid mixture permitted a progressive reduction in the doses required to control pain. A similar reduction was not obtained for the

antacid mixture alone. With the oxethazaine - antacid combination not only was a smaller daily dose of medication required, but more patients were free of symptoms at the end of the four weeks' trial.

- ✓ It is suggested that the combination of oxethazaine plus antacids, therefore, is to be preferred, because, by allowing a reduction in the intake of antacid, the risk of side-effects due to antacid therapy is thereby reduced.
- ✓ Oxethazaine is a topical anaesthetic, which, when applied to the mucous membranes produces a more potent anaesthesia of longer duration.

INDICATIONS:

- ⊙ NORMOGEL OS acts as an antacid in dyspepsia and is used for the symptomatic relief of hyperacidity associated with peptic ulceration, gastritis, oesophageal reflux with heartburn and gastric hyperacidity.
- ⊙ NORMOGEL OS may be of benefit if symptomatic relief could not be obtained with antacid therapy alone.
- ⊙ Antacids

MECHANISM OF ACTION

Promote the gastric mucosal defense mechanisms:

- ⊙ Secretion of:
 - Mucus: Protective barrier against HCl.
 - Bicarbonate: Helps buffer acidic properties of HCl.
 - Prostaglandins: Prevent activation of proton pump.
- ⊙ Antacids **DO NOT** prevent the over-production of acid.
- ⊙ Acids **NEUTRALIZE** the acid once it's in the stomach.

For further information, please contact:

Market Planning Department



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