

# Maxicon

Magaldrate & Simethicone

## COMPOSITION

**Maxicon Suspension:** Each 5 ml contains Magaldrate USP 480 mg and Simethicone USP 20 mg.

## PHARMACOLOGY

**Maxicon** contains a mixture of antacid and antiflatulent/antifoaming agent. Magaldrate is a hydroxymagnesium aluminate complex that is converted rapidly in gastric acid to  $Mg(OH)_2$  and  $Al(OH)_3$ . Magnesium Hydroxide is a fast acting and Aluminium Hydroxide is a slow acting antacid. So, **Maxicon** gives a fast onset of action due to the Magnesium containing antacid and gives a sustained action over a certain period of time due to the Aluminium containing antacid. Aluminium Hydroxide can cause constipation and this effect is balanced by the Magnesium Hydroxide which can cause diarrhea.

Magaldrate provides Cytoprotective action by stimulating prostaglandine ( $PGE_2$ ) release. Moreover, the negative ions present on the surface of the Magaldrate absorbs quickly  $H^+$  ions. So the concentration of bicarbonate ion ( $HCO_3^-$ ) increases which provides mucus protection.

Magaldrate at  $P^H$  above 3.0 causes binding of EGF (Epidermal Growth Factor) to the Ulcer area and stimulates mucosal growth resulting in the healing of Ulcer.

Simethicone decreases the surface tension of gas bubbles as well as combines bubbles into larger one in the stomach so that it can be passed through belching or flatulence more easily.

## INDICATIONS

Dyspepsia, hyperacidity, gastritis, flatulence, heartburn & gas.

## DOSAGE AND ADMINISTRATION

2-4 teaspoonfuls 20 - 60 minutes after meal and at bedtime or as directed by the physician.

## CONTRAINDICATIONS

Magaldrate should not be administered in patients who are sensitive to the Aluminium and Magnesium. This combination is contraindicated in patients with impaired renal function, intestinal obstruction, appendicitis, chronic diarrhea, hypophosphataemia and weak or debilitated people.

## SIDE EFFECTS

If excessive amount is consumed, diarrhea, constipation and regurgitation may occur.

## PRECAUTIONS

Precautions should be taken regarding that the patients taking this combination don't have the above mentioned contraindicated situations. Patients taking Citrate Salts should not take this combination.

## DRUG INTERACTIONS

Antacids decrease the bioavailability of Theophylline, Tetracycline, Quinolone Antibiotics, Ketoconazole, Indomethacine, Nitrofurantoin, Digoxins etc. Antacids increase the bioavailability of some drugs e.g. Sulphonamides, Levodopa, Valproic acid, Enteric coated aspirin etc.

## USE IN SPECIAL GROUPS

**Use in pregnancy:** Pregnancy category C, should be administered to the pregnant women only when benefit outweighs the risk.

**Lactating Mother:** May pass into breast milk.

**Use in Children:** Should not be given to young children under 6 years of age.

## STORAGE

- Store below  $30^{\circ}C$ , keep in dry place & protect from light.
- Keep out of the reach of children.

## PACKING

**Maxicon Suspension:** Each bottle contains 200 ml suspension of Magaldrate and Simethicone.

Manufactured by:  
**ARISTOPHARMA LTD.**  
Shampur-Kadamtali I/A, Dhaka-Bangladesh

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