

# LYTEX

AMBROXOL HCl BP

## **Compositions:**

Lytex Syrup: Each 5 ml of syrup contains Ambroxol hydrochloride BP 15 mg. Lytex Paediatric Drops: Each ml drop contains Ambroxol hydrochloride BP 6 mg. Lytex SR Capsule: Each capsule contains Ambroxol hydrochloride BP 75 mg.

## **Pharmacology:**

Ambroxol is a metabolite of Bromhexine. It has been proven that it possesses mucokinetic (improvement in mucus transport) and secretolytic (liquefies secretion) properties. Ambroxol stimulates the serous cells of the glands of the mucus membrane of bronchi, increasing the content of mucus secretion. The mucolytic effect is associated with depolymerization and splitting of mucoproteins and mucopolysaccharide fibres, which leads to reduction in the viscosity of mucus. Expectoration of mucus is facilitated and breathing is eased considerably. It stimulates production of phospholipids of surfactant by alveolar cells. Ambroxol has anti-inflammatory properties. In patient with COPD, it improves airway patency. Ambroxol also exhibits anti-oxidant activity. Long-term use is possible because of the good tolerability of the preparation.

## **Dosage And Administration:**

Average daily dose (preferably after meal): Lytex Paediatric Drops; Age: 0-6 months old, 0.5 ml 2 times a day. 6-12 months old, 1 ml 2 times a day. 1-2 years old, 1.25 ml 2 times a day. Lytex Syrup: Age: 2-5 years old, 2.5 ml (1/2 teaspoonful) 2-3 times a day. 5-10 years old, 5 ml (1 teaspoonful) 2-3 times a day. 10 years old and adults, 10 ml (2 teaspoonful) 3 times a day. Lytex SR Capsule: Age, 12 years old and adults, 1 Capsule, once daily.

## **Contraindications:**

Contraindicated in known hypersensitivity to Ambroxol or Bromhexine.

## **Warning And Precaution:**

Ambroxol should be given cautiously to patients with gastric and duodenal ulceration or convulsive disorders. Patients with hepatic and renal insufficiency should take it with caution.

## **Side Effects:**

Gastrointestinal side effects like epigastric pain, gastric fullness may occur occasionally. Rarely allergic response such as eruption, urticaria or angioneurotic edema may occur.

## **Use in Pregnancy and Lactation:**

Pregnancy: Teratogenic and fetal toxicity studies have shown no harmful effect of Ambroxol. However, it is advised not to use during pregnancy, especially in the 1st trimester. Lactation: Safety during Lactation has not yet been established.

## **Drug Interaction:**

Ambroxol has no interaction with cardioactive glycosides, corticosteroids, bronchodilators, diuretics and antibiotics (normally used in the treatment of bronchopulmonary infection). But Ambroxol should not be taken simultaneously with antitussive (e.g. Codeine) because mucus, which has been liquefied by Ambroxol, might not be expectorated.

## **Overdosage:**

No specific overdose symptoms have been reported. But increased salivation, vomiting, brief restlessness and diarrhoea have been reported following overdose of ambroxol.

**Storage:**

Protect from direct light exposure. Store in dry place at a temperature not exceeding 30°C. Keep out of the reach of children.

**Packing:**

Lytex Syrup: Each Bottle contains 100ml syrup and a measuring spoon. Lytex Paediatric Drops: Each Bottle contains 15 ml paediatric drops and a calibrated dropper. Lytex SR Capsule: Each Box contains 6x5 capsules in blister pack.

**Manufactured By:**

The IBN SINA Pharmaceutical Industry PLC.  
Shafipur, Gazipur, Bangladesh.