Composition
Kofmelt syrup: Each 5 ml syrup contains Ambroxol Hydrochloride BP 15 mg.

Pharmacology
Ambroxol Hydrochloride is the active metabolite of Bromhexine and it has been proven that this metabolite possesses a greater bronchosecrectolytic effect than Bromhexine. It improves sputum rheology by hydrating mechanism leading to liquefication of mucus in the lumen of respiratory tract, thus facilitating expectoration of mucus and reducing dyspnea. It stimulates production of phospholipids of surfactant by alveolar cells, thus contributing to the lowering of superficial tension in the alveoli. It also reduces bronchial hyperactivity. Ambroxol has anti-inflammatory properties owing to the inhibitory effect on the production of cellular cytokines and arachidonic acid metabolites. In patient with COPD it traditionally improves airway patency.

Indication
Productive cough, Acute and chronic inflammatory disorders of upper and lower respiratory tracts associated with viscid mucus including acute and chronic bronchitis, Inflammatory disease of rhinopharyngeal tract (laryngitis, Pharyngitis, sinusitis and rhinitis) associated with viscid mucus, Asthmatic bronchitis, bronchial asthma with thick expectoration, Bronchiectasis, Chronic pneumonia.

Dosage and Administration
Average daily dose (preferably after meal):
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.

Side Effect
Gastrointestinal side effects like epigastric pain, stomach overfill feeling may occur occasionally. Rarely allergic responses such as eruption, urticaria or angioneurotic edema has been reported.

Contraindication
Contraindicated in known hypersensitivity to Ambroxol or Bromhexine.

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.

Drug Interaction
Ambroxol should not be taken simultaneously with antitussives (e.g. Codeine) because phlegm, which has been liquefied by Ambroxol might not be expectorated.

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

Storage
Keep out of the reach of children. Keep below 30°C, protect from light.

How supplied
Kofmelt syrup: Bottle containing 100 ml syrup with measuring cup.

Manufactured for
SMC ENTERPRISE LTD, Zamirdia, Bhaluka, Mymensingh
by Julphar Bangladesh Ltd., Faridpur, Sreepur, Gazipur