

# Mukof

Acetylcysteine USP 600mg Dispersible Tablet

**Composition : Mukof Tablet** : Each Dispersible Tablet contains Acetylcysteine USP 600mg.

**Pharmacology** : Acetylcysteine and its metabolic by product cysteine exert its mucolytic action through its free sulfhydryl (-SH) group, which reduces the disulfide bonds in the mucus matrix and lowers mucus viscosity. In case of Paracetamol overdose, Acetylcysteine protects against Paracetamol overdose induced hepatotoxicity by maintaining or restoring hepatic concentrations of Glutathione. It does this by producing the Glutathione precursor L-cysteine.

**Indications** : It is indicated as an adjunctive treatment for patients with abnormal, viscid or inspissated mucus secretions associated with conditions such as— \* Acute and chronic bronchopulmonary disorders (e.g. pneumonia, bronchitis, emphysema, tracheobronchitis, chronic asthmatic bronchitis, tuberculosis, bronchiectasis, primary amyloidosis of the lung) \* Atelectasis caused by mucus obstruction \* Pulmonary complications of cystic fibrosis \* Pulmonary complications of thoracic and cardiovascular surgery \* Post-traumatic chest conditions. It is effective in all respiratory airways disease causing formation of a dense secretion that cannot be or can only partially be expectorated such as acute and chronic bronchitis, laryngitis, sinusitis, tracheitis, influenza & bronchial asthma. Acetylcysteine is also indicated in the treatment of Paracetamol overdose. Treatment option is optimal if given within 8 hours of Paracetamol ingestion.

**Dosage and administration** : Adults & children above 6 years of age: 1 tablet daily (Preferably in the evening). The duration of treatment should be 5–10 days in acute treatment. In Paracetamol overdose: Initially 140 mg/kg, followed by 70 mg/kg every 4 hours for an additional 17 doses. Dissolve 1 tablet in a glass of water (200 ml) to drink. Or, as directed by the registered physician.

**Contraindication** : It is contraindicated in patients with hypersensitivity to Acetylcysteine or any other components in this medicine. It is also contraindicated in patients suffering from phenylketonuria and peptic ulcer.

**Precaution** : Acetylcysteine should be given in caution in asthma patients, history of stomach ulcers, allergic to histamines, liver or kidney problems.

**Side effects** : Heartburn, nausea, vomiting & diarrhea may occur. Bronchospasm, shortness of breath & upset stomach may occur rarely. Very rarely severe skin reaction or immune reaction may occur.

**Drug Interactions** : After taking Acetylcysteine orally it increases the bioavailability of Amoxicillin, but shows no effect on Doxycycline and reduces the absorption of Cefalexin. Acetylcysteine seems to increase the effects of Nitroglycerin.

**Use in Pregnancy and lactation** : Pregnancy category B. Caution should be taken in case of pregnancy & lactation while using Acetylcysteine.

**Use In Child** : The safety and effectiveness of this medicine in pediatric patients less than 6 years of age have not been established.

**Overdose** : Accidental overdose of Acetylcysteine may cause nausea, vomiting or diarrhea.

**Storage** : Store below 30°C in a dry place.

**Packing : Mukof Tablet** : Each box contains 5 x 6's tablets in blister pack.

Manufactured by



**DRUG INTERNATIONAL LTD.**

Tongi, Gazipur, Bangladesh