



Acetylcysteine  
600 mg Effervescent Tablet

Acetylcysteine is a mucolytic agent that reduces the viscosity of secretions probably by the splitting of disulphide bonds in mucoproteins. Moreover it gives antisecretory effect. These results in clearing of respiratory ducts and facilitate breathing. Acetylcysteine also has anti-oxidant properties by reacting with free radicals and also by serving as a precursor to glutathione, which is an important intra and extra-cellular antioxidant. By providing anti-oxidant action, it neutralizes exogenous and endogenous oxidants, which in fact act as pathogens in respiratory inflammations.

#### COMPOSITION

Each effervescent tablet contains Acetylcysteine BP 600 mg.

#### INDICATION

*As Mucolytic in pulmonary disease:* Respiratory tract disorders associated with excessive viscous mucous such as-chronic bronchopulmonary disease (chronic emphysema, emphysema with bronchitis, chronic asthmatic bronchitis, tuberculosis) acute bronchopulmonary disease (pneumonia, bronchitis, tracheobronchitis), pulmonary complications of cystic fibrosis, pulmonary complications associated with surgery.

#### DOSE AND ADMINISTRATION

*Children above 6 years of age or adults :* 1 effervescent tablet daily (preferably in the evening). Dissolve a **Nacsol** effervescent tablet in ½ glass of water and mix properly. After dissolving, take the whole content of the glass.

#### SIDE EFFECT

Mild gastrointestinal disturbances such as nausea, vomiting, diarrhea, itching, urticaria, headache and fever may be reported. Hypersensitivity reactions affecting skin and respiratory organs.

#### CONTRAINDICATION

Allergic reaction to Acetylcysteine.

#### PRECAUTION

Acetylcysteine cannot be used with antitussive medicines since it suppresses the cough reflex and the physiologic self-cleaning mechanism of respiratory airways, thus causes mucus stasis in bronchial ducts will increase the risk of infection, occurrence of bronchospasm. Special attention must be paid to patients with bronchial asthma because of the risk of bronchospasm in these patients. Patients with gastrointestinal bleeding must use this medicine with caution since it increases nausea.

#### DRUG INTERACTION

The thiol group of Acetylcysteine can reduce the efficacy of certain antibiotics such as ampicillin, tetracycline, macrolides, cephalosporins, aminoglycosides and amphotericin. Concomitant use of Acetylcysteine and amoxicillin will increase the level of the antibiotic in tissues. It is, therefore, advisable to use the two medicines 2 hours apart from each other. Acetylcysteine can increase the inhibitory effect of thrombocyte aggregation and vasodilation by nitroglycerine.

#### USE IN PREGNANCY AND LACTATION

The US Food and Drug Administration has classified Acetylcysteine as category B medicine for pregnant women. Acetylcysteine should only be used in pregnant women when clearly needed.

#### STORAGE CONDITION

keep in a dry place away from light and heat. Keep out of the reach of children.

#### HOW SUPPLIED

Each plastic container contains 10 effervescent tablets.

Manufactured by:

**NIPRO JMI Pharma Ltd.**  
Comilla, Bangladesh.

