

# Mucipoly 600 Effervescent Tablet

## Acetylcysteine (600mg) Effervescent Tablet

### Composition:

Each effervescent tablet contains:

- Acetylcysteine – 600mg

### Description:

Acetylcysteine is a mucolytic agent that works by breaking down mucus and reducing its viscosity, which makes it easier to expel. It is also an antidote for acetaminophen (paracetamol) poisoning and helps protect the liver by restoring the level of glutathione. The effervescent formulation allows for rapid dissolution in water, facilitating easy administration and faster absorption.

### Indications:

Acetylcysteine effervescent tablets are primarily indicated for:

- **Chronic Respiratory Diseases:** Treatment of chronic obstructive pulmonary disease (COPD), bronchitis, cystic fibrosis, and other conditions with thick mucus, to reduce the viscosity of sputum and ease breathing.
- **Prevention of Contrast-Induced Nephropathy:** Acetylcysteine may be used in some cases to prevent kidney damage from contrast dyes during diagnostic procedures.

### Dosage and Administration:

- **For Chronic Respiratory Conditions (Adults and Children  $\geq 12$  years):**
  - **Standard Dose:** Dissolve one 600mg effervescent tablet in a

glass of water once daily, or as directed by a healthcare provider.

- **For Acetaminophen Overdose:**
  - The dose for acetaminophen poisoning varies based on the timing of the overdose and the severity of symptoms. Typically, an initial loading dose is followed by maintenance doses. Immediate medical attention and hospital treatment are necessary in overdose cases.
- **For Children (6-12 years):**
  - Typically, 300mg to 600mg daily, depending on the specific medical condition and under the guidance of a healthcare professional.
- **For Children (under 6 years):** Consult a healthcare provider for an appropriate dosage.

### Preparation:

- The effervescent tablet should be dissolved in a glass of water (usually about 200 mL) and taken immediately after the solution has formed.
- Do not swallow the tablet directly without dissolving it in water.

### Precautions:

- **Hepatic and Renal Impairment:** Caution is advised in patients with liver or kidney disease, as the dose may need adjustment. Monitor liver function in patients receiving acetylcysteine for acetaminophen toxicity.
- **Pregnancy and Lactation:** Acetylcysteine should be used during pregnancy only if the potential benefits justify the potential risks to the fetus. Consult a healthcare

provider before use during breastfeeding.

- **Asthma:** Acetylcysteine should be used with caution in individuals with asthma, as it can occasionally trigger bronchospasm.

### **Side Effects:**

**Common side effects may include:**

- **Gastrointestinal:** Nausea, vomiting, abdominal discomfort, diarrhea, or stomatitis.
- **Respiratory:** Rare cases of bronchospasm or wheezing (particularly in asthmatic patients).
- **Skin:** Rash, itching.
- **General:** Headache or dizziness.

**Serious side effects (rare but possible):**

- **Anaphylactic Reactions:** Hypersensitivity reactions such as anaphylaxis, particularly when administered intravenously (more common with parenteral forms).
- **Severe Gastrointestinal Effects:** Ulceration or bleeding of the gastrointestinal tract.

### **Drug Interactions:**

- **Nitroglycerin:** Concomitant use of acetylcysteine and nitroglycerin may increase the risk of vasodilation and hypotension.
- **Activated Charcoal:** May reduce the effectiveness of acetylcysteine when used concurrently in the case of overdose.
- **Antibiotics:** Concurrent use of acetylcysteine and certain antibiotics (e.g., tetracyclines) may interfere with each other's effectiveness in some cases.

### **Storage:**

- Store the tablets in a cool, dry place, away from direct sunlight and moisture.

- Keep the tablets in their original packaging to protect them from environmental factors.
- Keep out of reach of children.

### **Overdose:**

Symptoms of overdose may include gastrointestinal disturbances such as nausea, vomiting, and diarrhea. If overdose is suspected, seek medical attention immediately.

- Treatment is typically supportive, including gastric lavage or activated charcoal, depending on the timing and extent of the overdose.

### **Packaging:**

Acetylcysteine effervescent tablets are available in blister packs or bottles, typically containing 10, 15, or 30 tablets per pack.

### **Note:**

- Always complete the prescribed course of acetylcysteine, especially in the case of acetaminophen overdose, to prevent liver damage.
- If any unusual or severe side effects occur, stop using the medication and consult a healthcare provider immediately.
- Do not exceed the recommended dosage.

Manufactured in India for:

**Cafoli**<sup>TM</sup>  
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

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Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

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