

CIAN URISOL
(Urinary Alkalizer Effervescent Granules)

Each 4g Sachet contains:

Citric acid anhydrous	0.72g
Tartaric acid	0.89g
Sodium Bicarbonate	1.76g
Sodium citrate anhydrous	0.63g

PHARMACOLOGY:

Sodium bicarbonate acts as urinary alkaliser by increasing the excretion of free bicarbonate ions in the urine, thus effectively raising the urinary pH. By maintaining an alkaline urine, the actual dissolution of uric acid stones may be accomplished. It also acts as antacid by chemically neutralizing or buffering existing quantities of stomach acid but has no direct effect in its output. This action results in increased pH value of stomach contents, thus providing relief of hyperacidity symptoms.

Sodium Citrate and Citric Acid: Sodium citrate is metabolized to bicarbonates, which increases urinary pH by increasing the excreting of free bicarbonate ions, without producing systemic alkalosis when administered in recommended doses. A rise in urinary pH increases the solubility of cystine in the urine and the ionization of uric acid to more soluble urate ion. By maintaining alkaline urine, the actual dissolution of uric acid stones may be accomplished. It also reacts chemically to neutralize or buffer existing quantities of gastric hydrochloric acid but has no direct effects in its output. Sodium bicarbonate is excreted through renal and also via lung by forming CO₂. Sodium citrate, citric acid and absorbed tartaric acid are excreted through urine.

INDICATION:

Indicated for relieving or discomfort in mild UTI; symptomatic relief of dysuria; to enhance the action of certain antibiotics, especially some sulphonamides; in gout therapy as urinary alkalinisers to prevent crystallisation of urates.

POSOLGY AND METHOD OF ADMINISTRATION:

4g to 8g (1 to 2 sachets) dissolved in cold water four times daily or as prescribed.

SPECIAL WARNING AND PRECAUTION FOR USE:

This preparation contains 644mg of sodium per sachet which should be taken into account by those on a low sodium diet.

CONTRAINDICATION:

Renal failure or hypernatremia; in conjunction with hexamine mandelate or hexamine hippurate therapy because an acidic urine is needed.

Caution is advised in overt and occult cardiac failure. Concomitant use of urinary alkalinisers and quinolone antibiotics should be avoided; crystalluria may be more likely to occur in alkaline urine.

INTERACTION WITH OTHER MEDICINE AND CONCOMITANT USE:

Alkalinization of the urine due to the use of CIAN URISOL, theoretically, may result in a decreased therapeutic affect of the following medications, chlorpropamide, lithium, salicylates and tetracyclines.

Alternatively, alkalinization of the urine due to the use of CIAN URISOL, theoretically, may result in systemic alkalosis.

Concomitant administration of antacids with sodium citrate and sodium bicarbonate may promote the development of calcium stones in patients with uric acid stones and may also cause hypernatremia.

Concurrent use of aluminium-containing antacids with citrate salts can increase aluminium absorption, possibly resulting in acute aluminium toxicity, especially in patients with renal insufficiency.

Quinolones: Citrates may reduce the solubility of ciprofloxacin, norfloxacin or ofloxacin in the urine. Patients should be observed for signs of crystalluria and nephrotoxicity.

Laxatives: Concurrent administration of citrates with laxatives may have an additive effect.

PREGNACY AND LACTATION:

Studies regarding the effect of citrates on pregnancy have not been done.

Nursing Mothers:

Caution should be exercised when administered to a nursing mother.

ADVERSE REACTION:

The tartrate component of CIAN URISOL may be incompletely absorbed. Because of this CIAN URISOL may exert a mild laxative effect. Prolonged and excessive use may cause a systemic alkalosis and/or hypernatraemia.

OVERDOSE:

Overdosage may result in metabolic alkalosis CIAN URISOL should be discontinued, appropriate treatment instituted and electrolyte and acid-base determinations should be carried out as appropriate.

INCOMPATIBILITY:

None

SHELF LIFE:

24 Months

PACKAGING:

25 sachets in one outer carton with pack insert.

STORAGE CONDITION:

Store in a dry place below 30°C

MANUFACTURED BY:

Cian Healthcare Pvt. Ltd.

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