

# IPICAL

## CALCIUM CARBONATE BP

### **Compositions:**

Tablet: Each film coated tablet contains calcium carbonate BP 1250 mg equivalent to 500 mg of elemental calcium.

### **Pharmacology:**

Calcium carbonate reacts with gastric acid to produce a salt and water. For calcium carbonate the postulated chemical reaction is:  $\text{CaCO}_3 + 2\text{HCl} = \text{CaCl}_2 + \text{H}_2\text{O} + \text{CO}_2$ . Two grams of calcium carbonate will readily bring 100 ml of hydrochloric acid to a pH above 6. The increase in gastric pH diminishes the activity of pepsin in the gastric secretion. Up to 30% of the oral calcium load may be absorbed.

### **Dosage And Administration:**

Adult: One Ipical tablet or as directed by the physician. For the prevention of osteoporosis, 1-3 Ipical tablet is recommended generally as a dietary supplement. Doses for children are half of those for adults. A large dose should not be taken without physician's advice. Adolescent: 1-2 Ipical tablet daily. Children: One tablet daily.

### **Contraindications:**

Calcium is contraindicated in hypercalcaemia, primary hyperparathyroidism, renal failure, hypersensitivity to Calcium.

### **Warning And Precaution:**

If there is any pre-existing heart disease or kidney disease, precautions should be taken.

### **Side Effects:**

Calcium supplements are generally safe & well tolerated. Orally administered calcium supplements rarely given rise to mild gastrointestinal disturbances, such as constipation, flatulence, nausea, gastric pain, diarrhoea.

### **Use in Pregnancy and Lactation:**

Pregnant women: Calcium containing drugs are used widely in pregnancy by way of calcium supplement or antacid therapy. No relationship between malformation in general and calcium exposure has been noted. Lactating mother: There is no contraindication to the use of calcium carbonate in lactating mother.

### **Drug Interaction:**

It has possible interaction with digoxin, antacids containing calcium, aluminum or magnesium, other calcium supplements, calcitriol or other vitamin-D supplements; tetracycline, doxycycline, aminocycline or oxytetracycline etc. So before taking any of these drugs consultations of the physicians are needed.

### **Overdosage:**

Symptoms of overdosage include nausea, vomiting & constipation, headache, loss of appetite, stomach cramps, unconsciousness, dry mouth, diarrhoea, weakness, dizziness or irritability.

### **Storage:**

Store in a cool & dry place, away from light & moisture.

### **Packing:**

Each box contains 5×10's tablet in blister pack.

Manufactured By:  
The IBN SINA Pharmaceutical Industry PLC.  
Shafipur, Gazipur, Bangladesh.