

# SINACEPH

## CEPHRADINE BP

### **Compositions:**

Sinaceph 250 Capsule: Each capsule contains Cephadrine BP 250 mg. Sinaceph 500 Capsule: Each capsule contains Cephadrine BP 500 mg. Sinaceph Suspension: After reconstitution each 5 ml suspension contains Cephadrine BP 125 mg. Sinaceph DS Suspension: After reconstitution each 5 ml suspension contains Cephadrine BP 250 mg. Sinaceph Paediatric drops: After reconstitution each 5 ml suspension contains Cephadrine BP 100 mg. Sinaceph 500 Injection: Each vial contains Cephadrine BP 500 mg. Sinaceph 1gm Injection: Each vial contains Cephadrine BP 1 gm.

### **Pharmacology:**

Sinaceph (Cephadrine) is a semisynthetic broad spectrum bactericidal antibiotic. It is active against infections caused by both gram-positive and gram negative microorganisms. Both penicillinase-producing and nonproducing staphylococci are sensitive to Sinaceph. The main site of action of Sinaceph is the cell wall of bacteria. Cell wall of sensitive organism contains peptidoglycan. Sinaceph inhibits cross-linking process and as a result cell wall with many pores is formed, thus lysis of bacteria occurs due to external osmotic pressure.

### **Dosage And Administration:**

Oral: Adult: For respiratory and soft tissue infections in adults, the usual dose, is 250 or 500 mg four times daily. For urinary tract infection, the usual dose is 500 mg four times daily. For gastrointestinal infection, the usual dose is 500 mg three to four times daily. Up to 1 gm four times daily may be given for severe or chronic infection, Children: The usual dose is 25-50 mg/kg/day given in 2 to 4 equally divided doses. For the treatment of otitis media the dose is 75-100 mg/kg daily in 2 to 4 equally divided doses. The total daily use should not exceed 4 gm. Parenteral: Adult: The usual dose is 2-4 gm daily in four equally divided doses up to 8 gm daily. For prophylaxis, a single preoperative dose of 1-2 gm intramuscularly or intravenously is given. Children: The dose is 50-100 mg/kg daily in four equally divided doses. up to 300 mg/kg daily in severe infection.

### **Contraindications:**

Cephadrine is contraindicated to patients who are hypersensitive to Cephalosporin group of antibiotics.

### **Warning And Precaution:**

Give cautiously to penicillin sensitive patients as there is evidence of partial cross-allergenicity between the Cephalosporin and patients with markedly impaired renal function. Cephalosporin is excreted in breast milk and should be given with caution in lactating mothers.

### **Side Effects:**

Nausea, vomiting, diarrhoea and abdominal discomfort may occur.

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

Although animal studies have not demonstrated any teratogenicity, safety in pregnancy has not been established. Cephadrine is excreted in breast milk and should be used with caution in lactating mothers. Since the medicine may cause dizziness, patients should be cautioned about operating hazardous machinery, including automobiles.

### **Drug Interaction:**

The concomitant use of nephrotoxic drugs such as aminoglycosides with Cephadrine may

increase the risk of kidney damage. Diuretics (e.g. frusemide, ethacrynic acid) and probenecid enhanced the possibility of renal toxicity.

**Overdosage:**

The symptoms of Sefrad overdose are non-specific and are generally nausea, vomiting, diarrhoea and gastric upsets. Treatment is mainly supportive although gastric lavage will be necessary if a large amount has been ingested.

**Storage:**

Cephadrine Suspension should be freshly prepared. Reconstituted Suspension should be used within 7 days if kept at room temperature or within 14 days, if kept in a refrigerator. Cephadrine Injection solutions should be used within 2 hours when kept at room temperature. When stored at 5°C, solutions retain potency for 12 hours. Reconstituted solutions may vary in colour from light to straw yellow; however, this does not affect the potency. Do not use later than the date of expiry. Keep all medicines out of the reach of children. To be dispensed only on the prescription of a registered physician

**Packing:**

Sinaceph 250 Capsule: Each Box contains 20 capsules in blister pack. Sinaceph 500 Capsule: Each Box contains 30 capsules in blister pack. Sinacephl Suspension: Each Bottle contains dry powder for 100 ml suspension. Sinaceph DS Suspension: Each Bottle contains dry powder for 100 ml suspension. Sinaceph Paediatric Drop: Each Bottle contains dry powder for 15 ml suspension. Sinaceph 500 mg Injection: Each Box contains one vial; Cephadrine BP 500 mg, 5ml water for injection. Sinacepha 1 gm Injection: Each Box contains one vial Cephadrine BP 1 gm and 10 ml water for injection.

Manufactured By:

The IBN SINA Pharmaceutical Industry PLC.  
Shafipur, Gazipur, Bangladesh.