

# BIOZINC

ZINC SULPHATE MONOHYDRATE USP

## **Compositions:**

Biozinc Syrup: Each 5 ml Syrup contains Zinc Sulphate Monohydrate USP, equivalent to 10 mg of elemental Zinc.

## **Pharmacology:**

Biozinc (Zinc Sulphate) is a source of Zinc, which is an essential element of nutrition and traces are present in a wide range of foods. Zinc is a constituent of many enzyme systems and is present in all tissues. Features of Zinc deficiency include growth retardation and defects of rapidly dividing tissues such as the skin, the immune system and the intestinal mucosa. Zinc salts (generally Zinc Sulphate) are used as supplements to correct Zinc deficiency; they have been tried in the treatment of a large number of conditions because of an associated reduced concentration of Zinc in body.

## **Dosage And Administration:**

Child under 10 kg : 5 ml (1 teaspoonful) 2 times daily. Child between 10 - 30 kg : 10 ml (2 teaspoonful) 1-3 times daily. Adults and child over 30 kg : 20 ml (4 teaspoonful) 1-3 times daily.

## **Contraindications:**

It is contraindicated in patients with hypersensitivity to Zinc.

## **Warning And Precaution:**

Accumulation of zinc may occur in case of renal failure. Zinc may inhibit the absorption of concurrently administered Tetracycline.

## **Side Effects:**

Side effects are particularly common if taken on an empty stomach. Zinc salts may cause abdominal pain and dyspepsia. Chronic Zinc poisoning has not been identified with certainty, although prolonged use may lead to Copper deficiency with associated anaemia & neutropenia. In acute over dosage Zinc salts are corrosive due to the formation of Zinc chloride by stomach acid; corrosion can be avoided with administration of milk or alkali carbonates & activated charcoal.

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

The safety of this product in human pregnancy has not been established. Zinc crosses the placenta and is present in breast milk.

## **Drug Interaction:**

Zinc may inhibit the absorption of concurrently administered tetracyclines, when both are being given an interval of at least 3 hours.

## **Overdosage:**

Zinc sulphate is corrosive in overdose. Symptoms are corrosion and inflammation of the mucous membrane of the mouth and stomach; ulceration of the stomach followed by perforation may occur. Gastric lavage and emesis should be avoided. Demulcents such as milk should be given. Chelating agents such as sodium edetate may be useful.

## **Storage:**

Store in a cool place. The syrup should be protected from light.

**Packing:**

Biozinc Syrup: Bottle contains 100 ml syrup

Manufactured By:

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