

# GLYCIDOT

## Liquid Trace Mineral Supplement for Cattle

### Description

A concentrated liquid trace mineral supplement formulated specifically for cattle, containing four essential microminerals: Zinc, Copper, Manganese, and Cobalt. Designed to improve mineral status in animals with dietary deficiencies, support reproductive health, growth, hoof and skin integrity, immune function, and metabolic performance. Free from hormones or antibiotics. Administered orally for easy absorption and bioavailability.

### Specification

#### **Active Ingredients (per 210 mL)**

- Zinc (Zn) – 360 mg
- Copper (Cu) – 125 mg
- Manganese (Mn) – 200 mg
- Cobalt (Co) – 12 mg

#### **Excipients:**

- Solvent: Purified water
- Stabilizers / pH buffer (as per formulation needs)
- Preservative (as per permissible veterinary feed safety standards)
- Flavouring agent (optional, for palatability)

#### **Physical Characteristics:**

- Form: Clear to slightly cloudy liquid
- pH: 5–7 (approximate)
- Solubility: Fully soluble / chelated mineral forms (as applicable)
- Odor: Mild or neutral

### Indication

- Correction and prevention of trace mineral deficiencies in cattle
- Support for improved growth, fertility, immunity, milk production, and hoof/skin health
- Useful in dietary regimes where forage lacks micronutrients or mineral absorption is compromised

## **Dosage & Route of Administration**

**Route:** Oral (direct drench, or via feed/water mixing)

**Suggested Dosage:**

5–20 mL per animal per day (based on body weight, age, and physiological status)

**Frequency:** Daily or as recommended by a veterinary professional or animal nutritionist

## **Product Form**

Liquid formulation in a 210 mL PET bottle with dose cap or drench-compatible applicator.

## **Usage (Advantages)**

- Delivers critical microminerals in bioavailable form
- Promotes growth, fertility, and milk yield
- Strengthens hooves and improves skin/coat condition
- Supports immune defence and disease resistance
- Easy to administer and compatible with routine feed programs

## **Adverse Effects (Side Effects)**

- Overdose may cause mineral toxicity (especially copper)
- Zinc excess can interfere with copper and iron absorption
- High manganese may affect reproductive performance
- Rare cobalt toxicity includes digestive upset, appetite suppression
- Avoid direct ingestion by humans or contact with eyes/skin

## **Schedule**

Non-prescription veterinary feed supplement

Does not contain controlled substances or pharmaceuticals

Regulated under animal feed supplement guidelines

## ⌘ Precautions

- Use only when dietary deficiency is evident or likely
- Do not exceed recommended dose
- Adjust dosage during pregnancy/lactation under veterinary guidance
- Avoid mixing with feeds high in antagonistic minerals (e.g. iron, sulphur, molybdenum)
- Keep away from children and unauthorized handlers

## 🌐 Withdrawal Period

**Zero (0) days** – No withdrawal period required for milk or meat  
Use only as directed; monitor when used with medicated feeds or drugs

## 📦 Storage & Handling

- Store in a cool, dry place below 30°C
- Protect from direct sunlight and frost
- Shake well before use
- Close container tightly after each use
- Do not store diluted or mixed product for extended periods

## 🌐 HS / HSN Code

**HS Code:** 230990

**HSN Code (India):** 2309.90.10

## 💡 Special Instructions

- Suitable for use in dairy and beef cattle
- Use clean equipment for drenching or mixing
- Confirm dietary mineral levels through feed analysis when possible
- Administer during high-demand periods: lactation, growth, post-calving, disease recovery

## Human and Veterinary Application Details

- **Veterinary Use Only** – Cattle
- **Human Use:** Not intended for human consumption or therapeutic use
- Human exposure only during handling; use gloves, wash after contact

## Frequently Asked Questions (FAQs)

### **Q: What is a veterinary feed supplement (VFS)?**

A: A **Veterinary Feed Supplement (VFS)** is a non-medicinal, nutritional product added to animal diets to improve health, productivity, and correct deficiencies—without being classified as a drug.

### **Q: Why is this product important for cattle?**

A: It provides four vital microminerals (Zn, Cu, Mn, Co) needed for enzyme functions, immune defence, reproduction, milk yield, and hoof/skin integrity.

### **Q: How soon can I see results?**

A: Some effects like improved appetite and coat condition can be seen within days; reproductive or growth benefits may take 2–4 weeks or longer.

### **Q: Can it be used in calves or pregnant cows?**

A: Yes, but dosage must be adjusted based on age, weight, and physiological state. Always consult a veterinarian.

### **Q: Can it be used with antibiotics or other treatments?**

A: Yes, but avoid mineral interactions (e.g., iron can block copper absorption). Consult for compatibility with medicated feeds or drugs.

### **Q: Is it safe for long-term use?**

A: Yes, when used within recommended dosage and diet is monitored. Over-supplementation can lead to mineral imbalance/toxicity.

### **Q: Does it require refrigeration?**

A: No, but it should be stored in a cool, dry place. Do not freeze.