

# **COPPER SULPHATE PENTAHYDRATE**

## **Content**

ADDITIVE. Compounds of trace elements  
Content: (3b405) Copper (II) sulphate, pentahydrate [CuSO<sub>4</sub>·5H<sub>2</sub>O]  
Copper content (Cu element): > 250 g/kg

## **Properties**

Copper is an essential mineral. It has an important biological role in the photosynthesis process of plants, although it is not part of the composition of chlorophyll.

It contributes to the formation of red blood cells and the maintenance of blood vessels, nerves, immune system and bones.

## **Product characteristics**

Appearance Free flowing blue crystals without anticaking additives.  
Copper content 250 g/kg min. *(When determined the value obtained shall not differ from that declared by more than 2,5 g/kg).*

## **Additional information**

Chemical formula CuSO<sub>4</sub>·5H<sub>2</sub>O  
CAS Nr. 7759-99-8

Undesirable substances:

*Arsenic (As)\** < 30 ppm  
*Lead (Pb)\** < 100 ppm  
*Cadmium (Cd)\** < 10 ppm  
*Dioxins \** < 1 ng/g EQT-WHO PCDD/F OMS/kg (ppt)  
*Sum of Dioxins and PCB like-dioxins\** < 1,5 ng/g EQT--WHO PCDD/F OMS/kg (ppt)  
*Non-dioxin-like PCBs\** max. 10 µg EQT/PCDD/F OMS/kg (ppb)

*(\*) The product complies with current legislation on undesirable substances (Directive 2002/32/EC and subsequent amendments).*

## **Target species**

All animal species.

## **Directions for use**

Maximum content of the element (Cu) in mg/kg of complete feed with a moisture content of 12 %:

- Bovines: Before the start of rumination: 15 (total)  
Other bovines: 30 (total)
- Ovines: 15 (total)
- Caprines: 35 (total)
- Piglets: Suckling and weaned up to 4 weeks after weaning: 150 (total)  
From 5-th week after weaning up to 8 weeks after weaning: 100 (total)
- Crustaceans: 50 (total)
- Other animals: 25 (total)

*Copper (II) sulphate pentahydrate may be placed on the market and used as an additive consisting of a preparation.*

*The additive shall be incorporated into feed in the form of a premixture.*

*For safety:* for users of the additive and premixtures shall be established appropriated measures to address the potential risks by inhalation, dermal contact or eyes contact. The additive and premixtures shall be used with appropriate personal protective equipment. See MSDS.

The following words shall be included in the labelling:

- For feed for ovines if the level of copper in the feed exceeds 10 mg/kg: *'The level of copper in this feed may cause poisoning in certain breeds of sheep.'*
- For feed for bovines after the start of rumination if the level of copper in the feed is less than 20 mg/kg: *'The level of copper in this feed may cause copper deficiencies in cattle grazing pastures with high contents of molybdenum or sulphur.'*

## **Presentation**

25 kg bags, 1 000 kg bags.

## **Storage**

Storage Keep in a cool, dry place at room temperature.

**REF. 1318**