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## **SUMMARY OF PRODUCTS CHARACTERISTICS**

### **1) Name of the veterinary medicinal product:**

**All RMS and CMSs except France**

**KENOSTART**

3 mg/g Teat dip Solution for cattle (diary)

**France**

**KENODIP 3000**

3mg/g solution pour le trempage des trayons chez la vache laitière

### **2) Qualitative and Quantitative composition:**

Qualitative composition:

Available Iodine

Quantitative composition:

3mg/g

For a full list of excipients see section 6.1.

### **3) Pharmaceutical form ::**

Teat Dip Solution

Viscous dark brown solution

### **4) Clinical particulars:**

#### **3.1. Target species:**

Cattle (dairy).

#### **3.2. Indications for use, specifying the target species:**

Teat disinfection as part of a prevention strategy for mastitis in cattle

#### **3.3. Contra-indications:**

Do not use in case of known hypersensitivity to iodine or any other excipients.

#### **3.4. Special warning for each target species**

None

#### **3.5. Special precautions for use,**

(i) Special precautions for use in animals

- For external use only
- Use for the treatment of teat with cutaneous lesions may delay wound-healing process. It is recommended to discontinue the treatment until lesions are healed.

(ii) Special precautions to be taken by the person administering the veterinary medicinal product to animals

- Avoid contact with eyes. If splashed in the eye, rinse with clean running water and seek medical advice.
- In case of ingestion, drink large quantities of water and seek medical attention immediately.
- Keep away from food and animal feed.
- Wash hands after use.
- Iodine has an allergical potential. Persons with known iodine hypersensitivity must not handle the product.

**3.6. Adverse reactions:**

None known.

**3.7. Use during pregnancy, lactation or lay:**

Can be used in lactating and pregnant cattle

**3.8. Interaction with other medicinal products and other forms of interaction:**

None known. Do not mix with other chemicals

**3.9. Amounts to be administered and administration route:**

The product is supplied ready to use as a teat dip. The dip cup should hold at least 5ml of dip. Dip each teat immediately after milking. Ensure that the teat is completely covered to three quarters of its length. The Dip cup should be replenished as necessary. The dip cup should be emptied after treatment and washed before reuse. The product is meant to be used as a post-milking teat dip up to two times per day.

**3.10. Overdose (symptoms, emergency procedure, antidotes), if necessary:**

Not applicable, product is for topical application, significant absorption does not occur.

**3.11. Withdrawal periods for the various foodstuffs, including those for which the withdrawal period is zero:**

Meat & offal: zero days

Milk: zero hours

**5) Pharmacological properties and pharmacokinetic particulars:**

Pharmacotherapeutic group: Dermatologicals, antiseptic, disinfectant of iodine-based compound class  
ATCVet code: QD08AG03

**4.1. Pharmacodynamic properties:**

Free (molecular) iodine activity is based on redox mechanism (the oxidising effect destroys micro-organisms) and the forming of salts with bacteria protein, the redox reaction involves various cell wall constituents, which are irreversibly transformed. It appears sulfhydryl linkages, in bacteria cell wall components, are specifically affected by the iodine.

KENOSTART has been demonstrated efficient against bacteria causing mastitis. It has been tested according European Norms EN 1656 (field conditions) against *Staphylococcus aureus*,

*Escherichia coli*, *Streptococcus agalactiae*, *Streptococcus dysgalactiae*, *Streptococcus uberis* and *Corynebacterium bovis*. These studies have been carried out in 2004 at CIRLAM laboratory.

#### **4.2. Pharmacokinetic particulars:**

The published literature indicates that iodine coated onto the skin rapidly interacts with any organic material present leaving very little free iodine for absorption through the epidermis. It has also been reported that only a small increase in serum iodine concentration is found after teat dipping.

### **6) Pharmaceutical particulars:**

#### **5.1. List of excipients**

Glycerol  
Sorbitol 70%  
Sodium Bisulphite 40%  
Ethoxylated Lanolin 50%  
Sodium Iodate  
Sodium Chloride  
Sodium Hydroxide 30%  
Sodium Iodide  
Xanthan Gum  
Alcohol (C13-C15) 11 Mole Ethoxylate  
Fatty acid amide polyglycol ether  
Citric Acid  
Water Purified

#### **5.2. Major incompatibilities:**

As a general precaution, it's advisable not to mix the product with other chemicals. This veterinary medicinal product must not be mixed with other veterinary medicinal products.

#### **5.3. Shelf-life:**

Shelf life of the veterinary product as packaged for sale: 16 months

Shelf life after first opening the immediate packaging: To be used in the 6 months after first opening.

#### **5.4. Special precautions for storage:**

- Store upright in the tightly closed original container
- Protect from frost
- If the product has frozen, thaw in a warm place and shake well before use
- Protect from light

#### **5.5. Nature and composition of immediate packaging:**

A dark liquid contained in 1, 5, 10, 20, 25, 60 liters, grey high-density polyethylene drums with HDPE caps and o-ring seals and 200 liters, in blue high-density polyethylene drums with HDPE caps and o-ring seals.

Not all pack sizes may be marketed.

#### **5.6. Special precautions for the disposal of unused veterinary medicinal products or waste materials derived from the use, if any:**

Any unused veterinary medicinal product or waste material derived from such veterinary medicinal product should be disposed of in accordance with local requirements. The product should not enter water courses as this is dangerous for aquatic organism.

7) **Marketing authorisation holder:**

**CID LINES NV  
Waterpoortstraat, 2  
8900 IEPER  
BELGIUM**

8) **Marketing authorisation number**

UK: VM 22136/4000

IE: VPA N°: 10792/001/001

9) **Date of the first authorisation or date of renewal of the authorisation**

19/01/2006

10) **Date of revision of the text**

16/10/2006

