

**1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Leyodip 2.15% w/v Concentrate Teat Dip and Teat Spray Solution.

**2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

Qualitative composition

**Active Substance(s)**

Iodine

**Other Relevant Constituents**

Sorbitol

Glycerol

For a full list of excipients, see 6.1.

**3. PHARMACEUTICAL FORM**

Concentrate for teat dip and teat spray solution.

Dark brown aqueous liquid.

**4. CLINICAL PARTICULARS**

**4.1 Target species**

Dairy cows.

**4.2 Indications for use, specifying the target species**

As an aid in the control of mastitis in lactating dairy cows, and as an aid in the prevention and healing of cracked and chapped teats.

**4.3 Contraindications**

None identified.

**4.4 Special warnings for each target species**

None known.

**4.5 Special precautions for use**

**For external use only.**

- i. Special precautions for use in animals.

Teat dip cups should be emptied after milking and washed before re-use.  
Wash and dry udders and teats before next milking.  
Not to be applied to teats with broken or damaged skin.

Special precautions for the person administering the veterinary medicinal product to animals

- ii **CONCENTRATE**

The following safety phrases relate to the concentrated product only, and do not apply once the product is diluted to the working solution:

Risk of serious damage to eyes. Wear eye/face protection when preparing the dip or spray.

#### **DILUTED WORKING SOLUTION**

When using as a spray, avoid working in spray mist.

Avoid contact with eyes, in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show this container or label.

Hands and exposed skin should be washed after using this product.

Do not eat drink or smoke while using this product.

Keep away from food, drink and animal feedstuffs.

- iii Other precautions  
None

#### **4.6 Adverse reactions (frequency and seriousness)**

The product may cause an allergic reaction in some animals. In the rare case of a suspected or proven allergy in the herd, it is recommended to change to a non-iodine teat disinfectant.

#### **4.7 Use during pregnancy, lactation or lay**

May be used during pregnancy and lactation.

#### **4.8 Interaction with other medicinal products and other forms of interaction**

Not to be used in conjunction with any other teat dip product.

#### **4.9 Amount(s) to be administered and administration route**

##### Teat dipping

Mix 1 part of the product with three parts clean water. Fill teat dipping cup about two thirds full with the solution and dip teats immediately after each cow is milked. Top up cup with fresh solution if necessary.

##### Teat Spraying

Mix 1 part of the product with three parts clean water. Immediately after milking, spray the entire surface of each teat with the solution.

##### Udder washing and cluster dipping

Use in the proportion 1 part product in 500 parts clean water i.e. 20ml in 10 litres or 1 fl.oz. in 3 gallons. Udder cloths should be allowed to soak in the solution. The use of separate udder cloths for each cow, or disposable paper towels, is strongly recommended. Teat clusters should be immersed and agitated for at least 30 seconds before milking each cow. Rinse in clean water before use.

#### **4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

Not applicable.

#### **4.11 Withdrawal period(s)**

Milk: Zero hours  
Meat: Zero days

## **5. PHARMACOLOGICAL PROPERTIES**

### **ATC Vet Code:**

QD08AG03

### **5.1 Pharmacodynamic properties**

Iodine has a powerful bactericidal action. It is also active against fungi, viruses, protozoa, cysts and spores. Iodine is used as a disinfectant generally as a 2% or 2.5% solution. Its activity is reduced in the presence of organic matter, though not to the same extent as with other halogen disinfectants.

A solution of iodine may be applied to small wounds or abrasions as well as to unbroken skin, but an iodophor such as povidone iodine may be preferred.

### **5.2 Pharmacokinetic properties**

Iodine is an essential trace element in the human diet, it is necessary for the formation of thyroid hormones. It is used for the prophylaxis and treatment of iodine deficiency disorders such as endemic goitre, in areas where the diet is deficient in iodine. It may be administered as potassium or sodium iodate.

Iodine is slightly absorbed when applied to the skin. When taken by mouth, iodine preparations (which are converted to iodide) and iodides are trapped by the thyroid gland. Solutions of iodine applied to the skin should not be covered by occlusive dressings.

Iodides not taken up by the thyroid are excreted mainly in the urine, with smaller amounts appearing in the faeces, saliva and sweat. They cross the placenta and are excreted in breast milk.

Iodine and iodides, whether applied topically or administered systemically, can also give rise to hypersensitivity reactions which may include urticaria, angioedema, cutaneous haemorrhage or purpuras, fever, arthralgia, lymphadenopathy and eosinophilia.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Sorbitol  
Glycerol  
Alcohol (C<sub>13</sub>C<sub>15</sub>) 11 Mole Ethoxylate  
Sodium Hydroxide  
Hydriodic Acid  
Sodium Sulphate  
Water Potable

### **6.2 Incompatibilities**

1. Hypochlorite solution
2. Phenolic/Soap/Pine oil disinfectants
3. Chlorhexidine teat disinfectants
4. Alkaline soaps and detergents

### **6.3 Shelf life**

Shelf life of the veterinary medicinal product as packaged for sale: 2 years  
Shelf life after dilution or reconstitution according to directions: 3 months

#### **6.4 Special precautions for storage**

Do not store above 25°C.

Store in tightly closed original container.

Protect from frost.

Store diluted product only in plastic or glass containers.

Diluted product should not be stored above 25°C. Protect from light. Once diluted, use the product within 3 months.

#### **6.5 Nature and composition of immediate packaging**

\* 200 litre, 60 litre opaque, white, blue, grey, green or colourless high density polyethylene drum with polypropylene co-polymer bung (2 bungs on 200 litre).

5 litre opaque, white, blue, grey, green, black or colourless high density polyethylene drum with high density polyethylene screw fit cap

25 litre white, natural or black high density polyethylene drum with high density polyethylene screw cap (tamper evident).

\*The 200 litre containers should not be returned for re-filling.

Not all pack sizes may be marketed.

#### **6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products, if appropriate**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements. To dispose of unused product to land you must have an authorisation under the Groundwater Regulations 1998.

Harmful to fish and aquatic life. Do not contaminate ponds, waterways or ditches with the product or empty container.

### **7 MARKETING AUTHORISATION HOLDER**

Evans Vanodine International Plc.  
Brierley Road  
Walton Summit  
Preston  
Lancashire  
PR5 8AH

### **8. MARKETING AUTHORISATION NUMBER**

Vm 03940/4094

### **9. DATE OF FIRST AUTHORISATION**

02 April 2001

### **10. DATE OF REVISION OF THE TEXT**

March 2016

Revised: March 2016  
AN: 01323/2015  
Approved: 22 March 2016

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