

CYPRIN-10 SOLUTION

(Cypermethrin)

SUMMARY OF PRODUCT CHARACTERISTICS

1 NAME OF THE VETERINARY MEDICINAL PRODUCT

CYPRIN-10 SOLUTION

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each 100ml Contains:

Cypermethrin 10.0gm

3. PHARMACEUTICAL FORM

Solution Form.

4. CLINICAL INFORMATION

4.1. Target species

Cattle, Sheep Goat.

4.2. Indications for use specifying the target species

Control of external parasitosis caused by:

Cattle and horses: flies (*Haematobia irritans*, *Musca autumnalis*, *Hydrotaea irritans*).

Bovine: lice (*Linognathus* spp., *Haematopinus*).

4.3. Contraindications

Do not use in case of known hypersensitivity to the active substance and/or any of the excipients.

Do not treat animals less than 1 month old.

Treat young animals separately.

4.4. Special warnings for each target species

Do not use in equines whose meat or milk is intended for human consumption.

Do not treat animals with open wounds or sores.

The medicine should not be administered when there is a threat of rain.

4.5. Special precautions for use

Special precautions for use in animals

Use the medication in a well-ventilated environment, avoiding contact with the animal's eyes. Do not use it inside the milking area or where water contamination may occur. Do not treat thirsty, hungry or tired animals.

Special precautions to be taken by the person administering the product to animals:

People with known hypersensitivity to cypermethrin or any of the excipients should avoid contact with the veterinary medicinal product.

This drug should be administered with caution to minimize exposure during handling of the concentrated emulsion, the spray emulsion, and treated animals.

If you have respiratory problems or have experienced persistent discomfort after handling other pyrethroids, consult your doctor before using the medication.

Wear personal protective equipment consisting of goggles, masks, protective clothing, gloves (disposable nitrile) and rubber boots when handling concentrated medication, spray solution and freshly treated animals.

Avoid contact with skin, eyes and mucous membranes. In case of spillage on the skin or accidental contact, wash immediately with plenty of water. If irritation occurs, consult a doctor and show him the package leaflet or the label.

Remove contaminated clothing immediately. Wash hands, face and exposed skin with soap and water after leaving the work area.

Treatment should be carried out in well-ventilated areas or outdoors. Do not inhale vapours.

When spraying in an enclosed area, use an FFP3 protective mask. When treating animals outside the stable, do not spray against the wind. Do not spray in the presence of unprotected people.

Do not eat, drink or smoke while using the veterinary medicinal product.

Minimize contact with treated animals as much as possible. Direct contact with animals should be avoided until they are completely dry. Always wear protective gloves and wash hands and exposed skin with plenty of soap and water after contact with animals.

To the physician:

This medicine contains cypermethrin. Cypermethrin may cause skin sensitization and induce paresthesia or hyperesthesia after dermal exposure. It is irritating to the skin and eyes.

Other Precautions:

As a precautionary measure, animals should be kept away from water courses for at least 12 hours after treatment (see section: Environmental properties).

Long-term effects on coprophagous insects cannot be ruled out after continuous or repeated use of pyrethroid ectoparasiticides. Therefore, repeated treatment with pyrethroid drugs in animals from the same pasture, in the same season, should only be carried out in the absence of alternative treatments and according to the benefit/risk assessment carried out by the responsible veterinarian.

4.6. Adverse reactions (frequency and seriousness)

Not Known

4.7. Use during pregnancy and lactation or lay

There are no contraindications during these periods.

4.8. Interaction with other veterinary medicinal products and other forms of interaction

No Data Available.

4.9. Dosage and administration route

Cutaneous use.

It is used in the form of a spray after dilution.

Bovine, Caprine and equine

Fly control: Spray at the beginning of the fly season and repeat monthly if necessary. In case of excessive abundance of horn flies and face flies, spray every 15 days.

Lice control: Spray the entire body of the animal when lice are observed. If necessary, repeat the spraying at a minimum interval of 14 days.

To control flies and lice, prepare the emulsion for spraying by diluting 1 ml of medication in 100 ml of water (equivalent to 0.1 g of cypermethrin/100 ml of water) and apply:

- Adult bovines and equines: 500 ml.

- Young cattle: 250 ml.

- Calves and foals: 125 ml.

- Sheep & Goats: 100ml

4.10. Overdose (symptoms, emergency procedures, antidotes), if necessary

The method of use makes overdose poisoning unlikely. In case of massive oral ingestion, excitation and convulsions occur, progressing to paralysis and muscle fibrillation, which may lead to death due to respiratory failure.

Treatment is generally not necessary after ingestion. Saline cathartics or a suspension of inactivated charcoal may be administered. Avoid ingestion of oils and fats that promote intestinal absorption.

4.11. Withdrawal period:

Bovine & Caprine:

Meat: 4 days.

Milk: Do not administer to lactating animals whose milk is used for human consumption.

Horses: Not applicable. Do not use in equines whose meat or milk is intended for human consumption.

5. PHARMACOLOGICAL PROPERTIES

Pharmacotherapeutic group: Ectoparasiticides, Insecticides and Repellents.

ATCvet code: **QP53AC08**

5.1. Pharmacodynamic properties

Cypermethrin is a contact ectoparasiticide of the type II pyrethroid group, characterized by containing an alpha-cyano group in its molecule.

Type II pyrethroids primarily affect sodium channels in the nerve membrane, causing long-term prolongation of the transient increase in membrane sodium permeability during

excitation. They maintain persistent sodium channel modification, depolarize the membrane, and block the action potential without causing repetitive presynaptic activity. Another possible mechanism of action of type II pyrethroids includes an action on the GABA receptor complex.

5.2. Pharmacokinetic information

After topical administration, cypermethrin is slowly absorbed. Cypermethrin is lipophilic, so the majority of residues are found in fat. The metabolism of cypermethrin is very similar in all species and mainly consists of the cleavage of the ester bond to form derivatives of phenoxybenzoic acid and cyclopropanecarboxylic acid that are excreted as conjugates. The main route of elimination is mainly urine, although a smaller proportion of these compounds is also eliminated in faeces.

Environmental properties

Cypermethrin is moderately persistent and immobile in soil. It is extremely toxic to fish and aquatic invertebrates, as well as bees. It is toxic to dung-eating insects. Long-term effects on dung-eating insects cannot be ruled out with continuous or repeated use of the drug.

6. PHARMACEUTICAL INFORMATION

6.1 Incompatibilities

It is incompatible with alkalis or alkaline substances such as ammonia, sodium carbonate, and lime sulfur and calcium arsenate.

6.2. Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years.

Shelf life after first opening the container: use immediately within 6 months.

Shelf life after reconstitution according to instructions: 12 hours.

6.3. Special precautions for storage

Store below 30°C.

Protect from light.

Do not store in the refrigerator or freezer.

Keep out of reach of children.

6.4. Nature and composition of primary conditioning

The product is available in opaque white, co-extruded bottles with either 4 or 6 layers. The 4-layer bottles consist of HDPE/regrind/adhesive/barrier*, while the 6-layer bottles are HDPE/regrind/adhesive/barrier*/adhesive/HDPE. All bottles use a white HDPE closure with a security seal and heat-sealable aluminum disc. The barrier layer in both types is Ethyl-Vinyl-Alcohol. Formats available are 100ml, 500ml, 1 liter, and 5 liter bottles.

7. **MARKETING AUTHORISATION HOLDER**
Nawan Laboratories (Pvt.) Ltd.
Plots No. 136-138, Sector-15,
Korangi Industrial Area, Karachi-74900, Pakistan.
8. **MARKETING AUTHORISATION NUMBER**
Reg. No.: 035066
9. **DATE OF FIRST AUTHORISATION**
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10. **DATE OF REVISION OF THE TEXT**
14-02-2025

MANUFACTURED BY:



136, Sector 15, Korangi Industrial
Area, Karachi-74900, Pakistan.

