

KYRON ANIMAL HEALTH(PTY)LTD (co.

reg. No. :2004021847/07) Telephone:

012 661 4076

Email:

lee-ann.charters@kyron.org

Physical address:

Unit 45A, 45 Highway Business Park Centurion

24 Hour emergency contact numbers:

National poison center:

0800 333 444

Red cross poison information:

021 689 5227

Tygerberg poison information:

021 931 6127

ENROVET 10%

06/17.1.6/03

2.COMPOSITION/DATA ON INGREDIENTS

COMPONENTS	CAS No.	Quantity(%W/v)
Enrofloxacin	93106-60-6	10.00
Sodium metabisulphite(Antioxidant)	7681-57-4	0.10
Benzyl alcohol (Preseervative)	100-51-6	1.50%v/v

3.HAZARDS IDENTIFICATION

CAUTION :

May cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

Route(s) of Entry: Inhalation, skin contact, skin absorption, eye contact.

Inhalation Hazards

Acute inhalation hazards: may cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose. Overexposure to vapor may produce dizziness, drowsiness, or nausea.

Skin hazards

Acute skin hazards: May cause irritation with symptoms of reddening and itching.

Eye hazards

Acute eye hazards: May cause irritation with symptoms of reddening, tearing and stinging

Ingestion Hazards

Acute Ingestion Hazards: Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Medical conditions aggravated by exposure: Eye disorders, skin disorders, respiratory tract disorders

4.FIRST AID MEASURES

First aid for eye: Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops or persists.

First aid for skin: In case of skin contact, wash affected areas with soap and water. Contact a physician if irritation develops.

First aid for inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Call a physician

First aid for Ingestion: Contact a physician or poison control center. If ingested, do not induce vomiting unless directed to do so by medical personnel

5.FIRE FIGHTING MEASEURES

Extinguishing media suitable: Water, carbon dioxide, foam.

Special firefighting procedures:

Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Do not allow firefighting water to enter sewer, surface waters, or ground water systems.

6.ACCIDENTAL RELEASE MEASURES

Use appropriate personal protective equipment during clean up. Recover uncontaminated product, if possible. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal.

Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water. Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems

7.HANDLING AND STORAGE

Handling & storage: Store below 25°. Protect from light. Keep well closed.

KEEP OUT OF REACH OF CHILDREN & UNINFORMED PERSONS

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Eye protection requirements: Chemical safety goggles or glasses.

Skin protection requirements: Gloves, long sleeved shirts and pants.

Ventilation Requirements: Use local and general exhaust ventilation to control levels of exposure.

Additional protective measure:

Educate and train employees in the safe use and handling of this product. Follow all label instructions. Launder clothing separately after use. Employees should wash their hands and face before eating, drinking or using tobacco products.

9. PHYSICOCHEMICAL PROPERTIES

- **Pharmaceutical form:** Solution
- **Description:** Pale yellow colored solution

10. STABILITY & REACTIVITY

Stability: Accelerated data at $40 \pm 2^\circ\text{C}$ / $75 \pm 5\%$ RH & real time data at $25 \pm 2^\circ\text{C}$ / $60 \pm 5\%$ RH & $30 \pm 2^\circ\text{C}$ / $65 \pm 5\%$ RH shows that product is stable.

Protect from light

11. TOXICOLOGICAL DATA

Toxicity data for enrofloxacin

Acute oral toxicity:	LD50=>5,000 mg/kg bw (Rat)
Acute dermal toxicity:	LD50=>2,000 mg/kg bw (Rabbit)
Acute inhalation toxicity:	>3,547 mg/kg bw (Rat)
Eye irritation:	moderately irritating (Rabbit)
Skin Irritation:	Non -irritating (Rabbit)
Sensitization:	Non-sensitizer (Guinea pig)
Repeated dose of toxicity:	Dog: NOEL=3 mg/kg
Development toxicity /teratogenicity:	Rabbit:NOEL=25 mg/kg
Toxicity to reproduction /fertility:	Rat:NOEL =10 mg/kg

12. ECOLOGICAL DATA

Ecological data for enrofloxacin

Fish toxicity:

150 mg/L	Golden orfe (<i>Leuciscus idus</i>)
10 mg/L	96 hrs. Rainbow trout (<i>salmo gairdneri</i>)
10 mg/L	96 hrs. Bluegill (<i>Lepomis machrochirus</i>)

Invertebrate toxicity:100 mg/L ,24 hrs. Water flea (Daphnia Magna)

13.DISPOSAL CONSIDERATION

Drug containers and any residual contents should be disposed of in accordance with advice from local waste regulation authority.

14.TRANSPORTAION INFORMATION

15.REGULATION

Safety sentences:

Protect from light

For veterinary use only.

Keep out of reach of children & uninformed persons

16.OTHER INFORMATION

These information is based on our resources & published date available