



## SAFETY DATA SHEET

A18202/04/AUS

## BAYTRIL 50 FLAVOUR ANTIBACTERIAL TABLETS

## SECTION 1 – IDENTIFICATION, CONTACTS

Bayer Australia Ltd 875 Pacific Highway Pymble NSW 2073	<b>Emergency Telephone Number</b> 1800 033 111 24 hour Emergency Service Australia Wide, Toll Free
	<b>Contact Point (for non-emergency calls)</b> Animal Health Division <b>Telephone Number:</b> (02) 9391-6000

Product Name	<b>Baytril 50 Flavour Antibacterial Tablets</b>
Product Use	Antibacterial treatment for dogs and cats. PRESCRIPTION ANIMAL REMEDY
Other Names	Enrofloxacin
Creation Date	14 <sup>th</sup> October 2004
Revision Date	29 April 2013 (SDS is current for 5 years from this date)

## SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS
Risk Phrases	None
Safety Phrases	None

## SECTION 3 – COMPOSITION

Ingredients	CAS No	Proportion
Enrofloxacin*	93106-60-6	42% (50 mg/tab)
Other ingredients determined not to be hazardous	-	58% (70 mg/tab)

\*Enrofloxacin is a fluoroquinolone antibiotic: 1-Cyclopropyl-7-(4-ethylpiperazin-1-yl)-6-fluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid.

**SECTION 4 – FIRST AID MEASURES**

Label First Aid Statement	If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
General	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.
Scheduled Poisons	Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons. Phone 131126.
Inhalation	Inhalation of this product will not occur.
Skin contact	Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.
Eye contact	Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.
Ingestion	If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.
Advice to doctor	Enrofloxacin is an analogue of the human antibacterial ciprofloxacin. Ciprofloxacin is a metabolic breakdown product of enrofloxacin. Poisoning with this product is unlikely but in the event of overexposure apply basic aid and decontamination procedures. Treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

Extinguishing Media	All extinguishing materials are suitable.
Fire and Explosion Hazards	Non-combustible material. Outer packaging may burn.
Hazardous Combustion Products	Thermal decomposition products include hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides.
Fire Fighting	Fight fire in the early stages if safe to do so. Wear respiratory protection.  In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide)  In enclosed premises: respirator with independent air supply.  Contain firefighting water.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Accidental Release	Use any personal protective equipment listed in Chapter 8.  Prevent spillage from spreading or entering soil, waterways and drains.  Sweep up spillage and place in a sealable container. Avoid breathing any dust and contact with the skin. On completion of clean up, scrub area with detergent and water and rinse with water.  Do not eat, drink or smoke during clean-up operation.
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**SECTION 7 – HANDLING AND STORAGE**

Safe Handling	No specific recommendations.
Storage	Keep out of reach of children. Store away from food, drink or animal feeding stuffs. To maintain product quality, store below 30°C. Protect from temperatures above 50°C. Keep away from heat or moisture. This material is a Schedule 4 drug and must be stored, handled and used in accordance with the relevant regulations.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Limits	No exposure allocated for enrofloxacin. No exposure allocated for other ingredients.
Ventilation	No ventilation is required under normal conditions of use.
Eye Protection	No eye protection is required under normal conditions of use. Under other conditions of use wear safety goggles.
Skin Protection	No skin protection is required under normal conditions of use. Under other conditions of use wear rubber gloves. Wash hands after use.
Respirator	No respirator is required under normal conditions of use.
Protective Material Types	Rubber, latex.
General Advice	None

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

Physical State	50 mg tablets in foil strips (total tablet weight 120 mg)
Colour	Brown
Odour	Slight characteristic smell
Boiling Point	Not relevant
Solidifying Range	Not relevant
Density	Not relevant
Vapour Pressure	$1 \times 10^{-7}$ mm Hg at 25°C (enrofloxacin)
Viscosity	Not relevant
Solubility in Water	Suspensible
pH	Not relevant
Flash Point	Not relevant
Ignition Temperature	Not relevant
Explosive Limits	Not relevant
Other Information	Light sensitive

**SECTION 10 – STABILITY & REACTIVITY**

Chemical Stability	Product is stable. No hazardous reactions.
Conditions to Avoid	Avoid strong oxidising agents.
Incompatible Materials	None
Hazardous Decomposition	Thermal decomposition products include hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides.
Hazardous Reactions	Will not polymerise.

### SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral LD <sub>50</sub> (rat) >5000 mg/kg (enrofloxacin) Oral LD <sub>50</sub> (mouse) 4336->5000 mg/kg (enrofloxacin) Inhalation LC <sub>50</sub> (rat) >3547 mg/m <sup>3</sup> (enrofloxacin)
Local Effects	Eye: slightly irritant to the eye.  Skin: non-irritant to the skin. Non-sensitising to the skin. Administration to animals over a period of several weeks at elevated dosages has produced changes in articular cartilage.
Reproductive Effects	Chronic exposure (3 months to 2 years) of laboratory species to enrofloxacin has produced testicular degeneration and associated adverse effects on spermatogenesis. None of the other ingredients of the formulation have been shown to produce reproductive or teratogenic effects.
Mutagenicity	None of the ingredients of the formulation have been shown to produce mutagenic effects.
Carcinogenic Effects	Enrofloxacin has been shown in animal tests to have no carcinogenic potential. Other ingredients are not classified as carcinogens.

### SECTION 12 – ECOLOGICAL INFORMATION

Octanol/Water Partition Co-efficient	Not available
Ecotoxicity	Following data all for enrofloxacin.  <u>Fish</u> LC <sub>0</sub> 150 mg/L Golden orfe ( <i>Leuciscus idus</i> ) LC <sub>0</sub> (96h) >10 mg/L Rainbow trout ( <i>Salmo gairdneri</i> ) LC <sub>0</sub> (96h) >10 mg/L <i>Lepomis macrochirus</i>  <u>Daphnia</u> EC <sub>0</sub> (24h) >100 mg/L Water flea ( <i>Daphnia magna</i> )  <u>Bacteria</u> EC <sub>0</sub> 0.0037 mg/L <i>Pseudomonas putida</i>  Studies on the influence of enrofloxacin on glucose stimulated respiration in the soil, and on microbial mineralisation of nitrogen in the soil, have shown no adverse effects after 14 days.

**SECTION 13 – DISPOSAL INFORMATION**

After Intended Use	Dispose of used packaging by wrapping in paper and placing in garbage.
After spill or accident	Dispose of sealed containers at an approved local waste disposal site.

**SECTION 14 – TRANSPORT INFORMATION**

UN No	Not classified
UN Proper Shipping Name	Not classified
Class & Subsidiary Risk	Not classified
Packaging Group	Not classified
Hazchem Code	Not classified

**SECTION 15 – REGULATORY INFORMATION**

Poisons Schedule	Schedule 4
APVMA Registration	The product is registered by the APVMA.
Registration Number	58010
Labelling	All necessary directions, precautions and warnings for normal use of the product are included on the product label.

**SECTION 16 – OTHER INFORMATION**

Summary of Changes  
from Last Edition

Update to SDS. Update First Aid information.

Acronyms

**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail

**APVMA** Australian Pesticides and Veterinary Medicines Authority

**CAS** Chemical Abstracts Service Registry Number

**HDPE** High density polyethylene

**LDPE** Low density polyethylene

**NOHSC** National Occupational Health & Safety Commission

**SUSDP** Standard for the Uniform Scheduling of Drugs and Poisons

**UN Number** United Nations number

Disclaimer

This Safety Data Sheet has been developed according to the NOHSC National Code of Practice for the Preparation of MSDS [NOHSC:2011(2003)]. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this Safety Data Sheet is to describe product in terms of their safety requirements. Bayer Australia Limited make no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product"). The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product. The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof. Due care should be taken to make sure that the use or disposal of this product and / or its packaging is in compliance with relevant Federal, State and Local Government regulations.

**END OF SDS**