SAFETY DATA SHEETS

This SDS packet was issued with item:

078040974

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078040909 078040917 078040941 078040966

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product Name: Baytril Taste Tablets
MSDS Number: 122000007051

Use : veterinary medicine

Company
BAYER HEALTHCARE LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
USA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! Colour: brown **Form:** tablet **Odour:** weak, musty.
Product poses little or no hazard if spilled and no unusual hazard if involved in a fire.

GHS Classification:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

GHS Label element:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Weight percent	Components	CAS-No.

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7.158%	Enrofloxacin	93106-60-6
1 - 5%	Tradesecret	
1 - 5%	Inorganic Compound	
10 - 30%	Polysaccaride	

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. If symptoms persist, call a physician.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

Contact Number: Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Any

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO2)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see

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section 13).

Additional advice: Avoid dust formation.

Further Accidental Release Notes Avoid dust formation.

7. HANDLING AND STORAGE

Handling:
Industrial uses: Avoid dust formation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

Storage:
Storage temperature: < 86 °F (< 30 °C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:
Recommended Filter type: HEPA

Hand protection:
Chemically resistant gloves.

Eye protection:
Safety glasses

Other protective measures:
No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.

For the intake of ready for use pharmaceutials or the external use on the skin please read the label and the package leaflet.

Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	tablet
Colour:	brown
Odour:	weak, musty
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available

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Density:	No applicable information is available
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	No applicable information is available
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY

Conditions to avoid: no data available

Materials to avoid: Oxidizing agents

Hazardous reactions: None known.

Thermal decomposition:

no data available

Hazardous decomposition products:
Carbon monoxide (CO), Carbon dioxide (CO2)

Oxidizing properties:

No statements available.

Impact Sensitivity:
no data available

11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity:
Enrofloxacin
LD50 rat: > 5,000 mg/kg
The substance or mixture has no acute oral toxicity

Tradesecret
LD50 rat: > 2,000 mg/kg

Inorganic Compound
The substance or mixture has no acute oral toxicity

Polysaccaride
LD50 rat: > 5,000 mg/kg
The substance or mixture has no acute oral toxicity

Acute inhalation toxicity:
Enrofloxacin
LC50 rat: > 2.937 mg/l, 4 h
The substance or mixture has no acute inhalation toxicity
An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Inorganic Compound
The substance or mixture has no acute inhalation toxicity

Polysaccaride
LC50 rat: > 5.05 mg/l, 4 h
The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity:
Enrofloxacin
LD50 rabbit: > 2,000 mg/kg

Inorganic Compound
The substance or mixture has no acute dermal toxicity

Polysaccaride
LD50 rabbit: > 2,000 mg/kg
The substance or mixture has no acute dermal toxicity

Acute toxicity (other routes of administration):
Inorganic Compound
LD50 intraperitoneal rat: 280 mg/kg

Skin irritation:
Enrofloxacin
rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Tradesecret
rabbit
Result: No skin irritation
Method: Draize Test

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Inorganic Compound
Result: Mild skin irritation

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Polysaccaride
rabbit
Result: No skin irritation

Eye irritation:
Enrofloxacin
rabbit
Result: Mild eye irritation
Method: OECD Test Guideline 405

Tradesecret
rabbit
Result: No eye irritation
Method: Draize Test

Inorganic Compound
Result: Mild eye irritation

According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Polysaccaride
rabbit
Result: No eye irritation

Sensitisation:
Enrofloxacin
Skin sensitization guinea pig
Result: Did not cause sensitization on laboratory animals.
Method: Buehler Test

Inorganic Compound
Result: Does not cause respiratory sensitization.

Result: Does not cause skin sensitization.

Polysaccaride
Skin sensitization guinea pig
Result: Did not cause sensitization on laboratory animals.

Genotoxicity in vitro:
Enrofloxacin
Ames test
Result: negative

Tradesecret
Ames test Escherichia coli
Result: negative

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Inorganic Compound
Ames test
Result: negative

Polysaccaride
Ames test
Result: negative

Genotoxicity in vivo:
Enrofloxacin
Micronucleus test, mouse
Result: No indication of clastogenic effects.

Polysaccaride
mouse
Result: No indication of mutagenic effects.

Carcinogenicity:
Inorganic Compound
Result: No indication on the basis of the available data.

Reproductive toxicity:
Inorganic Compound
Result: No toxicity to reproduction

Pharmaceutic effects:
Enrofloxacin
Antibiotic

Carcinogenicity:

STOT - single exposure:
Components:

14807-96-6 :
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure:
Components:

14807-96-6 :
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

12. ECOLOGICAL INFORMATION

General advice:
Do not allow to enter surface waters or groundwater. No data is available on the product itself.

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Toxicity to fish:
Enrofloxacin
Acute Fish toxicity: LC0 > 10 mg/l
Test species: Salmo gairdneri Duration of test: 96 h

Acute Fish toxicity: LC0 > 9.6 mg/l
Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

Inorganic Compound
LC50 > 10 g/l
Test species: Danio rerio (zebra fish) Duration of test: 24 h

Polysaccaride
Acute Fish toxicity: LC50 > 100 mg/l
Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:
Enrofloxacin
EC0 > 10 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 48 h

Polysaccaride
LC50 > 100 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 48 h

Toxicity to algae:
Polysaccaride
EC50 > 100 mg/l
Duration of test: 96 h

NOEC 12.5 mg/l
Duration of test: 96 h

Toxicity to bacteria:
Enrofloxacin
EC0 0.003 mg/l
tested on: Pseudomonas putida

Toxicity on soil-dwelling organisms
EnrofloxacinLC50 1000 ppm
Test species: Eisenia fetida (earthworms) Duration of test: 28 d

Biodegradability:
Inorganic Compound

The methods for determining biodegradability are not applicable to inorganic substances.

Polysaccaride

inherently degradable

Photodegradation:
Enrofloxacin
Water
half-life time (direct Photolysis): > 240 h

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13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)
non-regulated

US Sea transport (IMDG)
non-regulated

US Air transport (ICAO / IATA cargo aircraft only)
non-regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)
non-regulated

International IATA	**non-regulated**
IMDG	non-regulated

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. Toxic Substances Control Act This product is excluded from TSCA regulation by Section 3 (2)(B)(vi) when used for FDA application.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
Components
None

SARA Section 311/312 Hazard Categories Exempt from SARA Section 311/312

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
Components
None

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components

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None

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
1 - 5%	Inorganic Compound	
10 - 30%	Polysaccaride	

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Hazardous

16. OTHER INFORMATION

NFPA 704M Rating

Health	1
Flammability	0
Reactivity	0
Other	0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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