

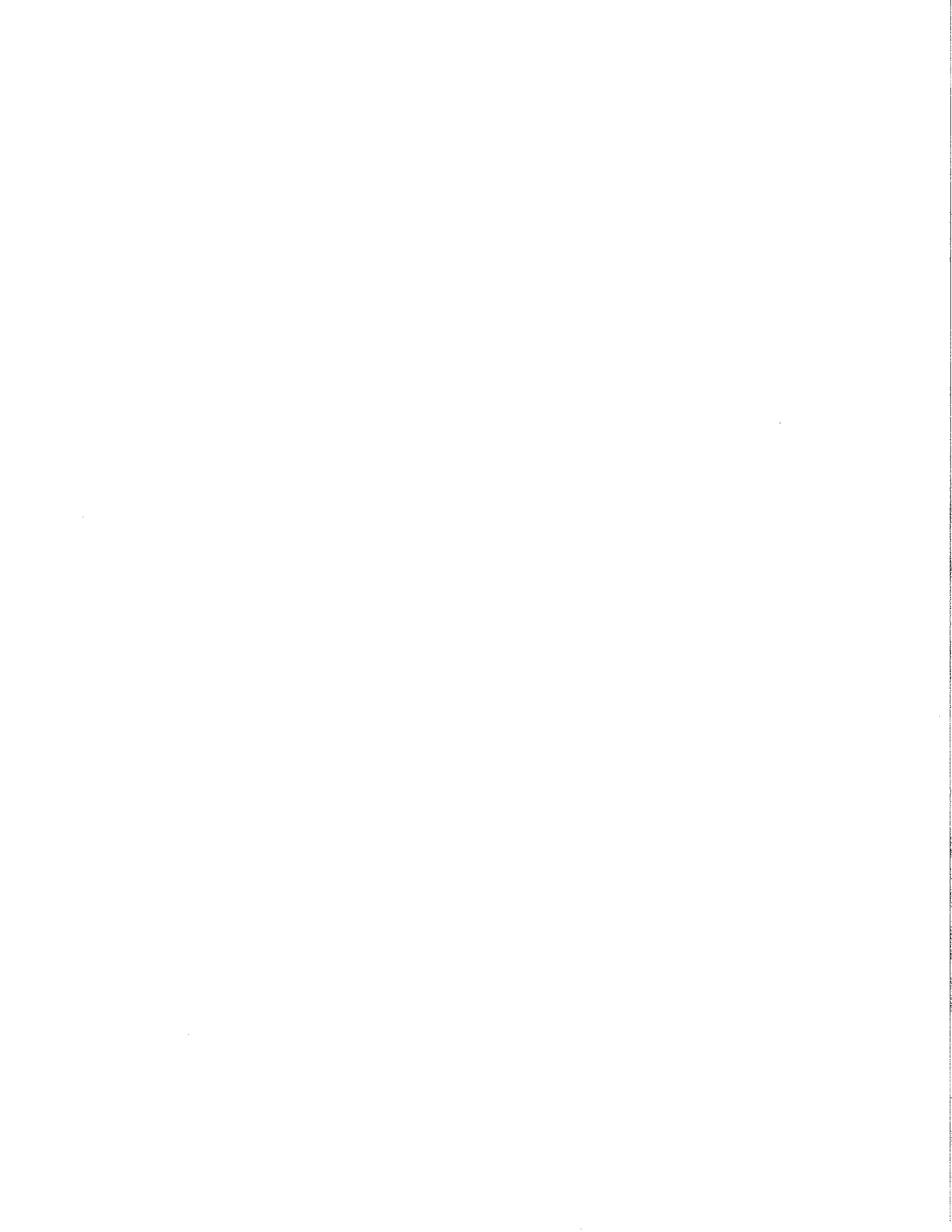
**SAFETY DATA SHEET**  
**Veraflox Oral Suspension**

122000001946

Version 5.0

Revision Date 03/11/2014

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information** VERAFLUX ORAL SUSP 2.5 % 15ML**Product Name:** Veraflox Oral Suspension  
**MSDS Number:** 122000001946**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  
Chemtec: (800) 424-9300  
BAYER INFORMATION PHONE:(800) 633-3796  
INTERNATIONAL:(703) 527-3887**2. HAZARDS IDENTIFICATION****Emergency Overview****Form:** liquid suspension**GHS Classification:****Germ cell mutagenicity** : Category 2**GHS Label element:****Hazard pictograms** :**Signal word** : Warning**Hazard statements** : H341 Suspected of causing genetic defects.**Precautionary statements** : Prevention:



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P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P281 Use personal protective equipment as required.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification:**

None known.

**Hazard Communication (29CFR 1910.1200)**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Weight percent	Components	CAS-No.
15 - 40%	Trade secret	

Other Ingredients	Components	CAS-No.
Weight percent		
1 - 10%	Pradofloxacin Drug	195532-12-8
0.1 - 0.5%	Hexa-2,4-dienoic acid	110-44-1

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**4. FIRST AID MEASURES**

**General advice:** Take off all contaminated clothing immediately.

**If inhaled:** Remove to fresh air. Call a physician immediately.

**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

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## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards during firefighting:** Fire may cause evolution of: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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

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

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Methods for cleaning up:** Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

**Additional advice:** No special precautions required.

**Further Accidental Release Notes**      No special precautions required.

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## 7. HANDLING AND STORAGE

**Handling:**

Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Respiratory protection:**

Recommended Filter type: Organic vapor with prefilter

**Hand protection:**

Chemically resistant gloves.

**Eye protection:**

Safety glasses

**Other protective measures:**

Wear suitable protective equipment.

Please consult label for end-user requirements.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	suspension
Colour:	No applicable information is available
Odour:	No applicable information is available
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	1.055 g/cm <sup>3</sup> at 68 °F (20 °C)
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:	5
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

DIN 51369

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**10. STABILITY AND REACTIVITY**

**Conditions to avoid:** no data available

**Materials to avoid:** Oxidizing agents

**Hazardous reactions:** no data available

**Thermal decomposition:**

no data available

**Hazardous decomposition products:**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**Oxidizing properties:**

No statements available.

**Impact Sensitivity:**

no data available

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**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity:**

LD50 rat :  $\geq$  5,000 mg/kg

The substance or mixture has no acute oral toxicity

Method: OECD TG 423

**Acute inhalation toxicity:**

Trade secret

LC50 rabbit: > 317 mg/l, 2 h

The substance or mixture has no acute inhalation toxicity

**Acute dermal toxicity:**

LD50 rat: > 4,000 mg/kg

May be harmful in contact with skin.

**Acute toxicity (other routes of administration):**

Pradofloxacin Drug

LD50 intraperitoneal rat: 200 - 500 mg/kg

**Skin irritation:**

rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

**Eye irritation:**

rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

**Sensitisation:**

Skin sensitization pig

Result: Did not cause sensitization on laboratory animals.

Method: OECD Test Guideline 406

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**Subacute, subchronic and prolonged toxicity:**

Trade secret

NOEL 50,000 mg/kg, rat Oral, Exposure time 24 month

NOEL 1 mg/l, rat Inhalation, Exposure time 3 month

Number of exposures: once daily

**Genotoxicity in vitro:**

Trade secret

Ames test Bacteria

Dose: yes

Result: negative

Method: OECD TG 471

Mammalian cells

Result: negative

Method: OECD TG 476

Pradofloxacin Drug

Micronucleus test

Result: positive

Chromosome aberration test in vitro

Result: positive

V79-HPRT Forward Mutation Assay

Result: positive

Ames test

Result: positive

**Genotoxicity in vivo:**

Trade secret

Result: negative

Method: OECD TG 478

Pradofloxacin Drug

Result: negative

Method: Dominant lethale test

Micronucleus test, mouse

Result: positive

Unscheduled DNA Synthesis Test, rat

Result: negative

The genotoxic effect is attributable to the pharmacological mechanism of action.

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**Carcinogenicity:**

Trade secret

rat:

Exposure time: 2 a

Number of exposures: once daily

Result: negative

Pradofloxacin Drug

Result: Animal testing did not show any carcinogenic effects.

**Reproductive toxicity:**

Trade secret

Application Route: Oral

rat, female: Test period: 18 d

NOAEL: 1600 mg/kg

Result: Animal testing did not show any effects on fertility.

Pradofloxacin Drug

Result: Impairment of fertility in animal studies at doses which are harmful to the parent animals.

**Teratogenicity:**

Trade secret

rat, male: Number of exposures: once daily

Test period: 15 d

NOAEL: 1600 mg/l

Result: No indication of teratogenic effects.

Pradofloxacin Drug

Result: Evidence of a teratogenic effect in animal studies at doses which are harmful to the parent animals.

**Pharmaceutic effects:**

antiinfective

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

**STOT - single exposure:**

no data available

**STOT - repeated exposure:**

no data available

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**12. ECOLOGICAL INFORMATION**

**General advice:**

Do not allow to enter surface waters or groundwater.



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**Toxicity to fish:**

Trade secret

Acute Fish toxicity: LC50 40,613 mg/l

Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

Pradofloxacin Drug

Acute Fish toxicity: LC50 1,000 mg/l

Test species: Danio rerio (zebra fish) Test substance: Ciprofloxacin HCl Duration of test: 96 h

**Toxicity to daphnia and other aquatic invertebrates:**

Trade secret

LC50 18,340 mg/l

Test species: Ceriodaphnia dubia Duration of test: 48 h

Pradofloxacin Drug

EC50 176 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

Test substance: Ciprofloxacin HCl

**Toxicity to algae:**

Trade secret

IC50 19,100 mg/l

tested on: Pseudokirchneriella subcapitata (green algae)

Pradofloxacin Drug

Cell multiplication inhibition test EC50 33 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

Test substance: Ciprofloxacin HCl

**Toxicity to bacteria:**

Trade secret

NOEC 20,000 mg/l

tested on: Pseudomonas putida

Duration of test: 18 h

**Biodegradability:**

Trade secret

87 - 92 %, 28 d rapidly biodegradable

Method: OECD Test Guideline 301C

**Bioaccumulation:**

Trade secret

Bioconcentration factor (BCF)

0.09

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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

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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.

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**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            --  
IMDG                                --

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**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**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

**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**

None

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
15 - 40%	Trade secret	

**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

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## 16. OTHER INFORMATION

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.

