

## SAFETY DATA SHEET

122000007170

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

**Product Name:** Drontal  
**SDS Number:** 122000007170

**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**

<b>Colour:</b> yellow <b>Form:</b> tablet <b>Odour:</b> slight, musty.
--

**GHS Classification:**

<b>Eye irritation</b>	: Category 2
<b>Respiratory sensitisation</b>	: Category 1
<b>Skin sensitization</b>	: Category 1
<b>Hazardous to the aquatic environment</b>	: Category 3

**GHS Label element:**

**Hazard pictograms** :



**Signal word** : Danger

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

- Hazard statements** : H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements** : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

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

None known.

---

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Weight percent	Components	CAS-No.
69.697%	Pyrantel pamoate	22204-24-6
5 - 10%	Cellulose	9004-34-6
6.061%	Praziquantel	55268-74-1

---

**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 (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.

---

## 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 section 13).

**Additional advice:** Avoid dust formation.

**Further Accidental Release Notes**      Avoid dust formation.

---

## 7. HANDLING AND STORAGE

**Handling:**

Avoid dust formation. Only handle product with local exhaust ventilation. 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

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

**Respiratory protection:**

Recommended Filter type: HEPA

None required for consumer use of this product.

**Hand protection:**

Chemically resistant gloves.

None required for consumer use of this product.

**Eye protection:**

Safety glasses

None required for consumer use of this product.

**Other protective measures:**

Wear suitable protective equipment.

Please consult label for end-user requirements.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

---

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

**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 (CO<sub>2</sub>)**Oxidizing properties:**

No statements available.

**Impact sensitivity:**No data available

---

**11. TOXICOLOGICAL INFORMATION****Other information on toxicity:**

Praziquantel

Ingestion of large quantities: Dizziness, Dizziness, Difficulty in breathing, Convulsions, Tiredness

**Other information on toxicity:**

Praziquantel

Ingestion of large quantities: Dizziness, Dizziness, Difficulty in breathing, Convulsions, Tiredness

**Acute oral toxicity:**

Pyrantel pamoate

LD50 Rat: &gt; 24,000 mg/kg

The substance or mixture has no acute oral toxicity

Praziquantel

LD50 Rat: 2,840 mg/kg

May be harmful if swallowed.

Pyrantel pamoate

LD50 Rat: &gt; 24,000 mg/kg

The substance or mixture has no acute oral toxicity

Cellulose

LD50 Rat: &gt; 5,000 mg/kg

The substance or mixture has no acute oral toxicity

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

Praziquantel

LD50 Rat: 2,840 mg/kg

May be harmful if swallowed.

**Acute inhalation toxicity:**

Cellulose

LC50 Rat: &gt; 5.05 mg/l, 4 h

May be harmful if inhaled.

**Acute dermal toxicity:**

Praziquantel

Harmful in contact with skin.

Cellulose

LD50 Rabbit: &gt; 2,000 mg/kg

May be harmful in contact with skin.

Praziquantel

Harmful in contact with skin.

**Skin irritation:**

Cellulose

Rabbit

Result: No skin irritation

**Eye irritation:**

Pyrantel pamoate

Result: Causes eye irritation.

Praziquantel

Result: Mild eye irritation

Pyrantel pamoate

Result: Causes eye irritation.

Cellulose

Rabbit

Result: No eye irritation

Praziquantel

Result: Mild eye irritation

**Sensitisation:**

Pyrantel pamoate

Skin sensitization

Result: Causes sensitisation.

Respiratory tract sensitization

Result: Causes sensitisation.

Pyrantel pamoate

Skin sensitization

Result: Causes sensitisation.

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

Respiratory tract sensitization  
Result: Causes sensitisation.

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

**Genotoxicity in vitro:**

Praziquantel  
Ames test  
Result: negative, No evidence of a gene mutagenic effect.

Cellulose  
Ames test  
Result: negative

Praziquantel  
Ames test  
Result: negative, No evidence of a gene mutagenic effect.

**Genotoxicity in vivo:**

Cellulose  
Mouse  
Result: No indication of mutagenic effects.

**Carcinogenicity:**

Praziquantel  
Result: Animal testing did not show any carcinogenic effects.

Praziquantel  
Result: Animal testing did not show any carcinogenic effects.

**Reproductive toxicity:**

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

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

**Teratogenicity:**

Praziquantel  
Result: Did not show teratogenic effects in animal experiments.

Praziquantel  
Result: Did not show teratogenic effects in animal experiments.

**Pharmaceutic effects:**

Pyrantel pamoate

**Anthelmintics**

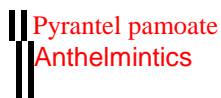
Praziquantel  
Anthelmintics

**Drontal**

Version 5.0

Revision Date 09/18/2015

---



Praziquantel  
Anthelmintics

**Carcinogenicity:**

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

**STOT - single exposure:**

No data available

**STOT - repeated exposure:**

No data available

---

**12. ECOLOGICAL INFORMATION****General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Pyrantel pamoate

Acute Fish toxicity: LC0 > 60.6 mg/l

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

Praziquantel

Acute Fish toxicity: LC50 17 mg/l

Duration of test: 24 h

Pyrantel pamoate

Acute Fish toxicity: LC0 > 60.6 mg/l

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

Cellulose

Acute Fish toxicity: LC50 > 100 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Praziquantel

Acute Fish toxicity: LC50 17 mg/l

Duration of test: 24 h

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

Pyrantel pamoate

EC50 12.68 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Praziquantel

EC0 35 mg/l

EC100 100 mg/l



**Drontal**

Version 5.0

Revision Date 09/18/2015

---

Pyrantel pamoate

EC50 12.68 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 48 h

Cellulose

LC50 &gt; 100 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 48 h

Praziquantel

EC0 35 mg/l

EC100 100 mg/l

**Toxicity to algae:**

Praziquantel

Cell multiplication inhibition test EbC50 140 mg/l

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

Cell multiplication inhibition test ErC50 77 mg/l

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

Cell multiplication inhibition test NOEbC 25 mg/l

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

Cell multiplication inhibition test NOErC 25 mg/l

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

Cellulose

EC50 &gt; 100 mg/l

Duration of test: 96 h

NOEC 12.5 mg/l

Duration of test: 96 h

Praziquantel

Cell multiplication inhibition test EbC50 140 mg/l

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

Cell multiplication inhibition test ErC50 77 mg/l

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

Cell multiplication inhibition test NOEbC 25 mg/l

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

Cell multiplication inhibition test NOErC 25 mg/l

tested on: *Desmodesmus subspicatus* (green algae) Duration of test: 72 h**Toxicity to bacteria:**

Praziquantel

EC50 &gt; 1,000 mg/l

Duration of test: 3 h

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

Praziquantel  
EC50 > 1,000 mg/l  
Duration of test: 3 h

**Biodegradability:**

Pyrantel pamoate  
2 %, 28 d Not readily biodegradable.

Praziquantel  
0 %, Not readily biodegradable.

Pyrantel pamoate  
2 %, 28 d Not readily biodegradable.

Cellulose

inherently degradable

Praziquantel  
0 %, Not readily biodegradable.

---

**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

---

**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**Drontal**

Version 5.0

Revision Date 09/18/2015

---

**US. Toxic Substances Control Act** This product is exempt from TSCA under Section 3 (2)(B)(vi) when used for pharmaceutical 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**

None

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

Weight percent	Components	CAS-No.
5 - 10%	Cellulose	9004-34-6

**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** Not subject to OSHA

---

**16. OTHER INFORMATION****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.