

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

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

Product Name: Drontal Plus Taste Tabs
MSDS Number: 122000007082

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:** slight, musty.
Product poses little or no hazard if spilled and no unusual hazard if involved in a fire.

GHS Classification:

Respiratory sensitization : Category 1
Skin sensitization : Category 1
Reproductive toxicity : Category 1B

GHS Label element:**Hazard pictograms** :**Signal word** : Danger**Hazard statements** : H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H360D May damage the unborn child.

Precautionary statements

: Prevention:

P201 Obtain special instructions before use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves.

P281 Use personal protective equipment as required.

Response:

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
15%	Febantel	58306-30-2
8.71%	Pyrantelpamoat	22204-24-6
3%	Praziquantel	55268-74-1
1 - 5%	Tradeseecret	
1 - 5%	Tradeseecret	
10 - 30%	Polysaccharide	
1 - 5%	Tradeseecret	

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. 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: < 77 °F (< 25 °C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Recommended Filter type: HEPA

Hand protection:

Chemically resistant gloves.

Eye protection:

Safety glasses

Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	tablet
Colour:	brown
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

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 (CO₂)

Oxidizing properties:

No statements available.

Impact Sensitivity:

no data available

Further information: The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

11. TOXICOLOGICAL INFORMATION

Other information on toxicity:

Praziquantel

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

Acute oral toxicity:

Febantel

LD50 rat, female: 1,760 mg/kg

LD50 rat, male: > 10,000 mg/kg

Pyrantelpamoat

LD50 rat: > 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.

Tradesecret

LD50 rat: > 2,000 mg/kg

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

Tradeseecret

LD50 rat: > 20,000 mg/kg

The substance or mixture has no acute oral toxicity

Polysaccharide

LD50 rat: > 5,000 mg/kg

The substance or mixture has no acute oral toxicity

Tradeseecret

LD50 rat: 4,640 mg/kg

Acute inhalation toxicity:

Febantel

LC0 rat: > 2 mg/l

The substance or mixture has no acute inhalation toxicity

Tradeseecret

LC50 rat: > 2.2 mg/l, 1 h

Polysaccharide

LC50 rat: > 5.05 mg/l, 4 h

The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity:

Febantel

LD50 rabbit: > 2,000 mg/kg

May be harmful in contact with skin.

Praziquantel

Harmful in contact with skin.

Tradeseecret

LD50 rabbit: > 5,000 mg/kg

Polysaccharide

LD50 rabbit: > 2,000 mg/kg

The substance or mixture has no acute dermal toxicity

Tradeseecret

LD50 rabbit: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Acute toxicity (other routes of administration):

Febantel

LD50 subcutaneous mouse: > 10,000 mg/kg

Tradeseecret

LD50 intravenous mouse: 23 mg/kg

Skin irritation:

Febantel

rabbit

Result: No skin irritation

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

Tradeseecret
rabbit
Result: No skin irritation
Method: Draize Test

Tradeseecret
rabbit
Result: No skin irritation

Polysaccharide
rabbit
Result: No skin irritation

Tradeseecret
rabbit
Result: Moderate skin irritation

Eye irritation:

Febantel
rabbit
Result: No eye irritation

Pyrantelpamoat
Result: Causes eye irritation.

Praziquantel
Result: Mild eye irritation

Tradeseecret
rabbit
Result: No eye irritation
Method: Draize Test

Tradeseecret
rabbit
Result: No eye irritation

Polysaccharide
rabbit
Result: No eye irritation

Tradeseecret
Result: No eye irritation
Test substance: Data on a comparable substance

Sensitisation:

Pyrantelpamoat
Skin sensitization
Result: Causes sensitization.

Respiratory tract sensitization
Result: Causes sensitization.

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

Genotoxicity in vitro:

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

Tradeseecret
Ames test Escherichia coli
Result: negative

Tradeseecret
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Polysaccharide
Ames test
Result: negative

Tradeseecret
Ames test
Result: negative
Test substance: Data on a comparable substance

Genotoxicity in vivo:

Tradeseecret

Result: No indication of mutagenic effects.

Polysaccharide
mouse
Result: No indication of mutagenic effects.

Carcinogenicity:

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

Tradeseecret
Result: No indication on the basis of the available data.

Reproductive toxicity:

Result: Studies with pregnant animals have shown an increase in abortion and fetal abnormalities with the combination of febantel and praziquantel.

Teratogenicity:

Febantel
Result: May damage the unborn child.

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

Pharmaceutic effects:

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

Febantel
Anthelmintics

Pyrantelpamoat
Anthelmintics

Praziquantel
Anthelmintics

Carcinogenicity:

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

Experience with human exposure:

Components:

112945-52-5 :

Prolonged inhalation of fine quartz dust may produce in susceptible persons silicosis. Fine quartz dust has no acute toxicity. Ingestion of fine quartz dust is harmless.

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:

Febantel

Acute Fish toxicity: LC0 > 10,000 mg/l

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

Pyrantelpamoat

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

Tradesecret

Acute Fish toxicity: LC50 > 10,000 mg/l

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

Method: OECD 203

Polysaccharide

Acute Fish toxicity: LC50 > 100 mg/l

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

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

Tradesecret

semi-static test: LC50 > 100 mg/l

Test species: *Leuciscus idus* (Golden orfe)

Method: ISO 7346/2

LC50 > 100 mg/l

Test species: *Danio rerio* (zebra fish)

Method: ISO 7346/2

Toxicity to daphnia and other aquatic invertebrates:

Febantel

EC50 > 1.8 mg/l

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

Pyrantelpamoat

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

Tradesecret

EC50 > 10,000 mg/l

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

Method: OECD 202

Polysaccharide

LC50 > 100 mg/l

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

Toxicity to algae:

Febantel

ErC50 > 0.43 mg/l

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

Method: OECD 201

EbC50 > 0.43 mg/l

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

Method: OECD 201

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

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

Polysaccharide
EC50 > 100 mg/l
Duration of test: 96 h

NOEC 12.5 mg/l
Duration of test: 96 h

Toxicity to bacteria:

Febantel
EC50 > 10,000 mg/l
tested on: activated sludge micro-organism
Method: ISO 8192

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

Tradeseecret
EC0 > 100 mg/l
tested on: Pseudomonas putida
Test substance: Data on a comparable substance

Biodegradability:

Pyrantelpamoat
2 %, 28 d Not readily biodegradable.

Praziquantel
0 %, Not readily biodegradable.

Polysaccharide

inherently degradable

Tradeseecret
> 60 %, rapidly biodegradable
Test substance: Data on a comparable substance

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

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

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

UN Number	3077
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FEBANTEL)
Class	9
Packaging group	III
Dangerous goods labels	9
Environmentally hazardous	yes

International IMDG

UN Number	3077
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FEBANTEL)
Class	9
Packaging group	III
IMDG-Labels	9
Marine Pollutant	yes

15. REGULATORY INFORMATION

Other regulations: No statements available.

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

SAFETY DATA SHEET
Drontal Plus Taste Tabs

122000007082

Version 2.0

Revision Date 12/17/2014

None

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
10 - 30%	Polysaccharide	

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.