



SAFETY DATA SHEET
QUAD dewormer Dogs

122000014885

Version 1.0

Revision Date 08/11/2016

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

Product information

Product Name: QUAD dewormer Dogs
SDS Number: 122000014885

Use : veterinary medicine

Company

Bayer HealthCare, LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
UNITED STATES OF AMERICA
(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

Colour: brown **Form:** tablet **Odour:** slight, musty.

GHS Classification:

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

GHS label elements:

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.
8.71%	Pyrantel pamoate	22204-24-6
1%	Stearic acid	57-11-4
15%	Febantel	58306-30-2
2%	Silicon dioxide (amorphous)	112945-52-5
16%	Cellulose	9004-34-6
3%	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

Unsuitable extinguishing media: none

Specific hazards during firefighting: Fire may cause the release 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

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:	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, Difficulty in breathing, Convulsions, Tiredness

Acute oral toxicity:

Pyrantel pamoate

LD50 Rat: > 24,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Stearic acid

LD50 Rat: 4,640 mg/kg

Febantel

LD50 Rat, female: 1,760 mg/kg

Harmful if swallowed.

Silicon dioxide (amorphous)

LD50 Rat: > 20,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

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Cellulose

LD50 Rat: > 5,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Praziquantel

Harmful if swallowed.

Acute inhalation toxicity:

Febantel

LC0 Rat: > 2 mg/l

The substance or mixture has no acute inhalation toxicity

Cellulose

LC50 Rat: > 5.05 mg/l, 4 h

Acute dermal toxicity:

Stearic acid

LD50 Rabbit: > 5,000 mg/kg

No adverse effect has been observed in acute toxicity tests.

Febantel

LD50 Rabbit: > 2,000 mg/kg

May be harmful in contact with skin.

Silicon dioxide (amorphous)

LD50 Rabbit: > 5,000 mg/kg

Cellulose

LD50 Rabbit: > 2,000 mg/kg

Praziquantel

Harmful in contact with skin.

Acute toxicity (other routes of administration):

Stearic acid

LD50 intravenous Mouse: 23 mg/kg

Febantel

LD50 subcutaneous Mouse: > 10,000 mg/kg

Skin irritation:

Stearic acid

Rabbit

Result: Moderate skin irritation

Febantel

Rabbit

Result: No skin irritation

Silicon dioxide (amorphous)

Rabbit

Result: No skin irritation

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Cellulose
Rabbit
Result: No skin irritation

Eye irritation:

Pyrantel pamoate
Result: Causes eye irritation.

Stearic acid
Result: No eye irritation
Test substance: Data on a comparable substance

Febantel
Rabbit
Result: No eye irritation

Silicon dioxide (amorphous)
Rabbit
Result: No 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.

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

Genotoxicity in vitro:

Stearic acid
Ames test
Result: Negative.
Test substance: Data on a comparable substance

Silicon dioxide (amorphous)
In vitro gene mutation study in mammalian cells
No indication of mutagenic effects.

Cellulose
Ames test
Result: Negative.

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Praziquantel

Ames test

Result: Negative., No evidence of a gene mutagenic effect.

Genotoxicity in vivo:

Silicon dioxide (amorphous)

Result: No indication of mutagenic effects.

Cellulose

Mouse

Result: No indication of mutagenic effects.

Carcinogenicity:

Silicon dioxide (amorphous)

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

Praziquantel

Result: Animal testing did not show any carcinogenic effects.

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:

Pyrantel pamoate

Anthelmintics

Febantel

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:

Components:

55268-74-1 :

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

STOT - repeated exposure:

Components:

55268-74-1 :

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.

Toxicity to fish:

Pyrantel pamoate

Acute Fish toxicity: LC0 > 60.6 mg/l

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

Stearic acid

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

Febantel

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

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

Silicon dioxide (amorphous)

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

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

Method: OECD 203

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

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Febantel

EC50 > 1.8 mg/l

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

Silicon dioxide (amorphous)

EC50 > 10,000 mg/l

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

Method: OECD 202

Cellulose

LC50 > 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:

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

Cellulose

EC50 > 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:

Stearic acid

EC0 > 100 mg/l

tested on: Pseudomonas putida

Test substance: Data on a comparable substance

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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

Biodegradability:

Pyrantel pamoate
2 %, 28 d Not readily biodegradable.

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

Cellulose

inherently degradable

Praziquantel
0 %, Not rapidly 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

International IATA

UN Number

3077

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

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	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

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.
10 - 30%	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 Hazardous

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.