



**SAFETY DATA SHEET**  
**IVERHART™ PLUS**  
**(ivermectin/pyrantel)**  
**Flavored Chewables**

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**1. IDENTIFICATION**

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<b>Product Name</b>	IVERHART™ PLUS (ivermectin/pyrantel) Flavored Chewables
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	Chewable for worm control in dogs
<b>Restrictions on Use</b>	Federal law restricts this drug to use by or on the order of a licensed veterinarian.
<b>Company Identification</b>	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659
<b>Customer Information Number</b>	
<b>Emergency Telephone Number</b>	
<b>Chemtrec Number</b>	(800) 424-9300
<b>Other Emergency Number:</b>	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
<b>Issue Date</b>	February 13, 2017
<b>Supersedes Date</b>	March 1, 2011

*Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*

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**2. HAZARDS IDENTIFICATION**

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**Hazard Classification**

Acute Hazards to the Aquatic Environment – Category 1 (This classification not adopted by OSHA.)

**Label Elements**

Hazard Symbols



Signal Word: Warning

**Hazard Statements**

Very toxic to aquatic life.

**Precautionary Statements**

**Prevention**

Avoid release to the environment.

**Response**

None

**Storage**

None

**Disposal**

Dispose of contents/container in accordance with local and national regulations.



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## 2. HAZARDS IDENTIFICATION

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### Other Hazards

This product may cause a reaction in individuals with pork allergies.

### Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	10 - 20%
Acute dermal toxicity	50 - 60%
Acute inhalation toxicity	70 - 80%
Acute aquatic toxicity	>90%

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Pyrantel Pamoate	22204-24-6	45 - 55 %
Pork Liver Powder	NA	10 - 20%
Ivermectin	70288-86-7	<0.1%

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## 4. FIRST AID MEASURES

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### Description of necessary first-aid measures

#### Eyes

Not an expected route of entry. If tablet contacts eye, flush thoroughly with water. If pain or irritation persists contact a physician.

#### Skin

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

#### Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

### Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

### Indication of immediate medical attention and special treatment needed

#### Notes to Physicians

Treat symptomatically.

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## 5. FIRE - FIGHTING MEASURES

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### Extinguishing Media

Use extinguishing media appropriate for surrounding materials.



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## 5. FIRE - FIGHTING MEASURES

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### Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

### Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

No specific measures recommended.

### Environmental Precautions

Prevent the material from entering drains or watercourses.

### Methods and materials for containment and cleaning up

Pick up and dispose of in accordance with all applicable local and national regulations. Prevent the material from entering drains or watercourses.

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## 7. HANDLING AND STORAGE

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### Precautions for safe handling

Wear appropriate protective clothing.

### Conditions for safe storage

Store in original container at temperatures between 59°F and 86°F (15°C - 30°C). Store away from children and pets.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

Exposure limits are listed below, if they exist.

### Appropriate engineering controls

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

### Individual protection measures

#### Respiratory Protection

Not required under normal conditions of use.

#### Skin Protection

Not required under normal conditions of use.

#### Eye/Face Protection

Not required under normal conditions of use.

#### Body Protection

Normal work wear



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	<b>Physical State</b>	Solid
	<b>Color</b>	Tan
<b>Odor</b>		None
<b>Odor Threshold</b>		No data available
<b>pH</b>		No data available
<b>Relative Density</b>		No data available
<b>Boiling Range/Point (°C/F)</b>		No data available
<b>Melting Point (°C/F)</b>		No data available
<b>Flash Point (PMCC) (°C/F)</b>		Not flammable
<b>Vapor Pressure</b>		No data available
<b>Evaporation Rate (BuAc=1)</b>		No data available
<b>Solubility in Water</b>		No data available
<b>Vapor Density (Air = 1)</b>		No data available
<b>VOC</b>		No data available
<b>Partition coefficient (n-octanol/water)</b>		Not applicable
<b>Viscosity</b>		Not applicable
<b>Auto-ignition Temperature</b>		No data available
<b>Decomposition Temperature</b>		No data available
<b>Upper explosive limit</b>		No data available
<b>Lower explosive limit</b>		No data available
<b>Flammability (solid, gas)</b>		No data available

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**10. STABILITY AND REACTIVITY**

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**Reactivity**

Data is not available.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions will not occur.

**Conditions to Avoid**

Heat - high temperatures

**Incompatible Materials**

None known.

**Hazardous Decomposition Products**

Oxides of carbon – nitrogen oxides – sulfur oxides

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Ivermectin:

Oral LD50 (rat) 50 mg/kg

Oral LD50 (human) >15mg/kg

Dermal LD50 406 mg/kg (rabbit)



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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity

#### Pyrantel Pamoate

Oral LD50 (rat) >2000 mg/kg

### Specific Target Organ Toxicity (STOT) – single exposure

Ivermectin: At high doses in humans and animals vomiting, tachycardia, blood pressure fluctuation, CNS effects (somnia, ataxia) and visual disturbances have been observed. Higher doses may cause death due to respiratory depression.

### Specific Target Organ Toxicity (STOT) – repeat exposure

No relevant studies identified.

### Serious Eye damage/Irritation

Ivermectin: Slightly irritating to eyes in rabbit tests.

### Skin Corrosion/Irritation

Ivermectin: Non-irritating in animal studies.

### Respiratory or Skin Sensitization

This product may cause a reaction in individuals with pork allergies.

Ivermectin: Hypersensitivity reactions have been reported in humans.

### Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

### Germ Cell Mutagenicity

Pyrantel Pamoate: Ames test in *S. typhimurium* Result: Negative. Murine Sperm-head abnormality test Result: Positive.

Ivermectin: Negative in the AMES Assay, and in a mouse lymphoma mutation assay. In addition, it did not induce unscheduled DNA synthesis in a human fibroblast cell culture, suggesting that it does not damage DNA.

### Reproductive Toxicity

Pyrantel Pamoate: No evidence of adverse effects on fertility, reproduction or lactation was observed in rats at oral doses of 250 mg/kg/day. No maternal toxicity, embryo or fetotoxicity were observed in perinatal and postnatal toxicity study.

Ivermectin: Teratogenic in rats, rabbit and mice at or near materno-toxic dose levels. The abnormalities are limited mainly to cleft palate.

### Aspiration Hazard

Not an aspiration hazard.

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

#### Ivermectin

LC50 (Trout) 0.003mg/l 96hr

LC50 (Daphnia magna) 0.000025mg/l 48hr

### Mobility in soil

Ivermectin: Ivermectin is metabolized in the soil. Water solubility is limited and it binds to soil very tightly. It does not bioconcentrate in fish and is not taken up from soil into plants.



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**12. ECOLOGICAL INFORMATION**

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**Persistence/Degradability**

Ivermectin: Slow biodegradation. Photodegrades rapidly.

**Bioaccumulative Potential**

No relevant studies identified.

**Other adverse effects**

No relevant studies identified.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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Contact supplier for transport information.

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**15. REGULATORY INFORMATION**

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**United States TSCA Inventory**

This product is excluded from the US EPA Toxic Substance Control Act and is regulated under the Food, Drug and Cosmetic Act.

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

**SARA Title III Sect. 311/312 Categorization**

None

**SARA Title III Sect. 313**

The following chemicals are listed in Section 313 at or above de minimis concentrations: None

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**16. OTHER INFORMATION**

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**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act



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**16. OTHER INFORMATION**

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Revision Date: February 13, 2017  
Replaces: March 1, 2011  
Changes made: Updated to GHS classification.

**Information Source and References**

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

**Prepared By:** EnviroNet LLC.

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