



**SAFETY DATA SHEET**  
**IVERHART MAX®**  
**(ivermectin/pyrantel pamoate/praziquantel)**  
**Chewable Tablets**

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**1. IDENTIFICATION**

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<b>Product Name</b>	IVERHART MAX® (ivermectin/pyrantel pamoate/praziquantel)) Chewable Tablets
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	Chewable tablet 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>	May 1, 2017
<b>Supersedes Date</b>	June 15, 2013

*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**

None

**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.

<b>Component Name</b>	<b>CAS Number</b>	<b>Concentration</b>
Pyrantel Pamoate	22204-24-6	20 - 30%
Praziquantel	55268-74-1	45 - 55%
Acrylic Polymer	24938-16-7	1 - 5%
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.

**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>	Beige
<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 - light

**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)

Pyrantel Pamoate

Oral LD50 (rat) >2000 mg/kg

Praziquantel:

Oral LD50 (rat) 2840 mg/kg

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

Ivermectin: At high doses in humans and animals vomiting, tachycardia, blood pressure fluctuation, CNS effects (somnolence, 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.

Praziquantel: Not irritating to eyes in rabbit studies.

**Skin Corrosion/Irritation**

Ivermectin: Non-irritating in animal studies.

Praziquantel: Not irritating to skin in rabbit studies.

**Respiratory or Skin Sensitization**

Ivermectin: Hypersensitivity reactions have been reported in humans.

Praziquantel: Not sensitizing to skin in guinea pig study.

**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.

Praziquantel: Negative results for in vivo and in vitro animal studies.

**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.

Praziquantel: Studies in rats and rabbits have shown no evidence of impaired fertility or harm to the fetus. An increase of the abortion rate was found in rats at three times the single human therapeutic dose.



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**11. TOXICOLOGICAL INFORMATION**

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**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

Praziquantel: Chronic Aquatic Toxicity: Category 3

Acrylic Polymer: Chronic Aquatic Toxicity: Category 2

**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.

**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 does not contain any Proposition 65 chemicals at levels which would require warning labels as known to the State of California to cause cancer, birth defects or other reproductive harm.

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

None



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**15. REGULATORY INFORMATION**

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**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

Revision Date: May 1, 2017

Replaces: June 15, 2013

Changes made: Revision to sections 1, 2, 3, 11, and 15.

**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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