

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078933871

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078551848 078551855 078551863 078551871 078933870 078933872 078933873



**SAFETY DATA SHEET**  
**IVERHART MAX® Soft Chew**  
**(ivermectin/pyrantel pamoate/praziquantel)**

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**1. IDENTIFICATION**

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**Product Name** IVERHART MAX® Soft Chew  
(ivermectin/pyrantel pamoate/praziquantel)

**Recommended use of the chemical and restrictions on use**

**Identified uses** Soft chew for worm control in dogs

**Restrictions on Use** Federal law restricts this drug to use by or on the order of a licensed veterinarian.

**Company Identification** Virbac AH, Inc.  
P.O. Box 162059  
Fort Worth, Texas 76161

**Customer Information Number** (800) 338-3659

**Emergency Telephone Number**

**Chemtrec Number** (800) 424-9300

**Other Emergency Number:** Poison Control Center: 1-800-222-1222 (human)  
HOT LINE NUMBER: 1-800-345-4735 (human and pet)

**Issue Date** September 30, 2017

**Supersedes Date** This is the first issue.

*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*

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**2. HAZARDS IDENTIFICATION**

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**Hazard Classification**  
Acute Hazards to the Aquatic Environment – Category 2 (This classification not adopted by OSHA.)

**Label Elements**  
Hazard Symbols  
None

Signal Word: None

**Hazard Statements**  
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 regulation.

**Other Hazards**  
None



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## 2. HAZARDS IDENTIFICATION

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### Specific Concentration Limits

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

Acute oral toxicity	35 - 45%
Acute dermal toxicity	60 - 70%
Acute inhalation toxicity	90 - 100%
Acute aquatic toxicity	70 - 80%

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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 as pamoate salt	22204-24-6	4 - 6 %
Praziquantel	55268-74-1	1 - 3%
Ivermectin	70288-86-7	<0.01%

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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 chew 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

Not applicable

### 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.



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**5. FIRE - FIGHTING MEASURES**

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**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 68°F and 77°F (20°C - 25°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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**Appearance**

<b>Physical State</b>	Solid
<b>Color</b>	Brown
<b>Odor</b>	Bacon
<b>Odor Threshold</b>	No data available



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9. PHYSICAL AND CHEMICAL PROPERTIES

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pH	Not applicable
Density	No data available
Boiling Range/Point (°C/F)	Not applicable
Melting Point (°C/F)	Not applicable
Flash Point (PMCC) (°C/F)	Not applicable
Vapor Pressure	Not applicable
Evaporation Rate (BuAc=1)	Not applicable
Solubility in Water	No data available
Vapor Density (Air = 1)	Not applicable
VOC	Not applicable
Partition coefficient (n-octanol/water)	Not applicable
Viscosity	Not applicable
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Flammability (solid, gas)	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)

Pyrantel Pamoate

Oral LD50 (rat) >2000 mg/kg

Praziquantel:

Oral LD50 (rat) 2840 mg/kg



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**11. TOXICOLOGICAL INFORMATION**

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**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.

**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



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**12. ECOLOGICAL INFORMATION**

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**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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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

**SARA Title III Sect. 313**

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: 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



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**16. OTHER INFORMATION**

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**Legend, cont.**

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

Revision Date: September 30, 2017

Replaces: This is the first issue.

Changes made: Not applicable.

**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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