



Material Safety Data Sheet

ProHeart 6 (moxidectin) Sustained Release
Injectable for Dogs

WW MSDS No. 060303PH6

Section 1. Product and Company Identification	
Manufactured/Supplied by	Fort Dodge Animal Health 800 5th Street NW P.O. Box 518 Fort Dodge, IA 50501 Phone: 515-955-4600 Fax: 515-955-9149
Product Trade Name	ProHeart 6 (moxidectin) Sustained Release Injectable for Dogs
Common Name	Moxidectin Sustained Release
Synonyms	None.
Chemical Formula	NA
Chemical Family	Veterinary Pharmaceutical.
Material Uses	Pharmaceutical.
Packaging	20 mL glass vials
Formula Type	Injectable solution.
Date of Preparation	6 March 2003
Product No.	060303PH6
Formula No.	NA
CAS No.	NA (mixture)
U.N. No.	NA (mixture)
EINECS No.	NA
In Case of Emergency	515-955-6033

Section 2. Composition - Information on Ingredients				
Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Moxidectin	113507-0605	10.0% in microspheres 0.3% after reconstitution	T	R25
2) Excipients and vehicle (inert ingredients, considered nonhazardous).	NA	Balance		

Section 3. Hazards Identification - Summary of Primary Effects and Critical Hazards	
Acute Health Effects	Adverse health effects are considered unlikely when the product is administered according to label directions. Ingestion of product may cause gastrointestinal discomfort. Ingestion of large quantities may cause central nervous system effects.
Chronic Health Effects	There is no known effect from chronic exposure to this product.
Environmental Hazards	Keep out of waterways. Environmental hazard. Toxic to aquatic organisms.

Section 4. First Aid Measures - (by medical responders using "Universal Precautions")

Eye Contact	Non-irritating to the eyes. In case of contact with eyes, rinse immediately with plenty of water.
Skin Contact	Product is non-irritating to skin. Wash contaminated skin with soap and water.
Inhalation	Inhalation of vapors is considered unlikely when product is administered as directed. In the event of symptoms resulting from inhalation, seek medical attention.
Ingestion	May be harmful if swallowed. Seek medical attention immediately. Provide product container label to physician.
Notes to Medical Doctor	Direct treatment at control of symptoms.

Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Solution is non-flammable. Use as little water as possible. Use dry chemical or CO2 if possible. If water use is necessary, use a fog or mist. Use of a jet may disperse material. Avoid allowing product to run into drains, waterways, or other bodies of water.
Special Exposure Hazards	Dike area of fire to prevent product run-off. Collect contaminated fire fighting water and prevent entry into drains and waterways.
Special Fire Fighting Protective Equipment	Full fire-fighting attire and approved certified self-contained breathing apparatus worn only by qualified persons.

Section 6. Accidental Release Measures

Small Spill Guidelines	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill Guidelines	Dike spill area and do not allow product to reach sewage system and surface or ground water. Absorb spill material with inert material (e.g., dry sand or earth), then place in a chemical waste container. Call for assistance on disposal.
Environmental Precautions	Keep out of waterways. This material is toxic to aquatic organisms, fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Section 7. Handling and Storage

Handling (ventilation and fire prevention)	No special measures required. After handling, always wash hands thoroughly with soap and water.
Storage (conditions and limitations)	Keep only in the original container in a cool, well-ventilated place away from children and pets.

Section 8. Exposure Controls and Personal Protection - (normal and intended use)

Exposure Guidelines				
Component	REG. Limit	OSHA (PEL)	ACGIH (TLV®)	Company Guideline
1) Moxidectin	NA	NA	NA	0.05 mg/m3
Engineering Design and Control Measures	No special precautions are necessary if used as intended.			
Protective Clothing				
Eyes	Safety glasses are recommended.			
Skin	Wear overalls or long sleeved shirt and long trousers.			
Hands	Although typically not required for normal use, impervious gloves, such as nitrile exam gloves, are recommended.			
Respiratory	A respirator is not needed under normal and intended conditions of product use.			

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Odor	None
Molecular Weight	Not reported	Color	Clear (vehicle) Microspheres - Free flowing white to off-white powder
Boiling Point	Not established.	pH	Vehicle - 4 - 6
Melting/Freezing Point	70 deg. C		
Density/Bulk Density	0.95 - 0.97 g/mL		
Vapor Pressure	Not available		
Vapor Density	Not available		
Viscosity	Not reported.		
Partition Coefficient	Not reported		
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
Flash Point	None		
Autoignition Point	Not established		
Explosion Limits	Not applicable		
Dust Explosivity	Not applicable		

Section 10. Stability and Reactivity

Conditions to Avoid and Incompatibility	The product is stable.
Decomposition Products	carbon oxides (CO, CO2) nitrogen oxides (NO, NO2...)

Section 11. Toxicological Information

Acute Effects

Component	Test	Result	Route	Species
1) Toxicity information provided is for product as a whole, rather than individual ingredients.				
Eye Contact		Non-irritating to the eyes.		
Skin Contact		Non-irritating to the skin. Practically non-toxic in contact with skin.		
Inhalation		No evidence of risk in humans.		
Ingestion		May be harmful if swallowed. Oral LD50 for product (rats) = 1166 mg/kg b.w.		

Chronic Effects

Target Organs	Gastrointestinal Tract Central Nervous System (CNS)
Adverse Effects Statements	Adverse health effects are considered unlikely when the product is administered according to label directions. Chronic effects associated with normal use of this product are not known.

Packaging Instructions Do not reuse product container.

Section 15. Regulatory Information and Warning Labels

(R) Risk Phrases R22- Harmful if swallowed.

(S) Safety Phrases S02- Keep out of the reach of children

NOTE: This product has been classified in accordance with applicable country-specific regulations.

Section 16. Other Key Information

Other Considerations See product label and package insert for additional information.

6 March 2003 **Responsible for MSDS:** Global Engineering, Environmental and Safety

Fort Dodge Animal Health -- within American Home Products Corporation

Notice to Reader

** This symbol indicates information which has changed from the previous MSDS.*

The information provided in this MSDS is based on current knowledge, however, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package precautions and this information. All materials may present unknown hazards and should be used with caution.

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