

SAFETY DATA SHEETS

This SDS packet was issued with item:

078696590

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

078696608 078917106 078917131

PRODUCT NAME-IDENTITY: Ivermectin Injection	CHEMICAL CLASSIFICATION: Anthelmintic (Onchocerca)	CAS NUMBER: Ivermectin B1a: 71827 – 03-7 Ivermectin B1b: 70209 – 81-3
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MANUFACTURER NAME: Sparhawk Laboratories	
ADDRESS: 12340 Santa Fe Trail Drive Lenexa, KS 66215	TELEPHONE # FOR INFORMATION: 913-888-7500
	DATE PREPARED: 12/14/04

HAZARDOUS INGREDIENT IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAMES): Ivermectin: Highly toxic (USA). Toxic (EU). Toxic if swallowed.

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F	SPECIFIC GRAVITY: 1.03
VAPOR PRESSURE (mm Hg.): Not Available	MELTING POINT: Not Applicable
VAPOR DENSITY (Air = 1): Not Available	EVAPORATION RATE: Negligible (Butyl Acetate = 1)
SOLUBILITY IN WATER: Almost completely	
pH: about 6.0	
APPEARANCE AND ODOR: Clear, colorless solution	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Not Available	FLAMMABLE LIMIT: Not Available	LEL	UEL
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURE: Wear self contained breathing apparatus and protective clothing.			
UNUSUAL FIRE & EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.			

REACTIVITY DATA

STABILITY:	UNSTABLE		CONDITIONS TO AVOID:
	STABLE	<input checked="" type="checkbox"/>	Heat
HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Toxic fumes of NO _x , CO _x			
INCOMPATIBILITY: (MATERIALS TO AVOID): Oxidizing Agents			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID: None
	WILL NOT OCCUR	<input checked="" type="checkbox"/>	

HEALTH HAZARD DATA

ROUTES OF ENTRY:	HEALTH HAZARD (ACUTE & CHRONIC):
SKIN/EYES?	Skin – may; Eyes – may cause irritation. Flush with copious quantities of water.
INHALATION?	May cause irritation. Remove to fresh air.
INGESTION?	May be fatal if swallowed.
RTECS #: IH7891500 22,23 Dihydroavermectin B1	
TOXICITY: ORL – MUS LD ₅₀ : 29,500 Micro grams/Kg	
SIGNS & SYMPTOMS OF OVER EXPOSURE: Nausea, dizziness and headache.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None	
EMERGENCY & FIRST AID PROCEDURES: Skin: Wash with soap and water Eyes: Flush with water for a minimum of 15 minutes Inhalation: Remove to fresh air. Ingestion: Call a physician.	

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up or use absorbent material to collect.
WASTE DISPOSAL METHOD: Dispose of by normal procedures.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Use according to label directions.
OTHER PRECAUTIONS: None

CONTROL & SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator	
VENTILATION:	SPECIAL:
LOCAL EXHAUST: <input checked="" type="checkbox"/> MECHANICAL:	
PROTECTIVE GLOVES: Gloves are recommended	EYE PROTECTION: Safety Glasses
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None	
WORK/HYGIENIC PRACTICES: Not available	
OTHER: Not available.	


The above information is believed to be accurate and represents the best information available to us at the time this Material Safety Data Sheet was prepared. The information is provided to our customers in good faith; however, no warranty, expressed or implied, is made.

IVERMECTIN INJECTION

Section 1: Identification of the Substance and Supplier

Product Name	Ivermectin Injection
Recommended Use	For the treatment and control of gastro-intestinal roundworms, lungworms, lice, and mange mites.
Company Details	Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215
Emergency Telephone	800-424-9300
Date of Preparations	11/09/15

Section 2: Hazards Identification

Hazard Classification	Poison as UN2811. D.O.T. Classification: DG Class 9, UN 3082
Priority Identifiers	 Warning
Secondary Identifiers	Adverse effects may include muscle and joint pain, dizziness, fever, headache, tender lymph nodes, skin rash, rapid heartbeat, swelling of face or extremities, vomiting, diarrhea, difficult breathing, and seizures.
Risk & Safety Phrases	Toxic if swallowed

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration
Ivermectin	70288-86-7	1.0%
Glycerol Formal	4740-78-7	40.0%
Propylene Glycol	57-55-6	55.0%
Water for Injection	7732-18-5	QS

Section 4: First Aid Measures

Necessary First Aid Measures	Eyes: Flush with water for a minimum of 15 minutes. Skin: Wash with soap and water Inhalation: Remove to fresh air Ingestion: Call a physician.
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Section 5: Fire Fighting Measures

Type of Hazard	Not classified as flammable.
Fire Hazard Properties	None Applicable
Regulatory Requirements	Collect spilled material and dispose as hazardous waste.
Extinguishing Media and Methods	Water, dry extinguishing powder, carbon dioxide. Wipe up or use absorbent material to collect.
Recommended Protective Clothing	Self-contained breathing apparatus, gloves and safety glasses.

Section 6: Accidental Release Measures

Emergency Procedures	Wear protective clothing. Wipe up or use absorbent material to collect. Dispose of under EPA guidelines.
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Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin, eyes and mucosa. Keep containers adequately sealed during material transfer, transport or when not in use.
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Regulatory Requirements	None Required
Handling Practices	Avoid contact with skin, eyes and mucosa. Keep containers adequately sealed when not in use.
Approved Handlers	Not Required.
Conditions for Safe Storage	Store at 20° and 25°C (68° - 77°F).
Store Site Requirements	Protect product from light.

Section 8: Exposure control/Personal Protection

Workplace Exposure Standards	None Applicable
Application in the workplace	None Applicable
Exposure standards outside the workplace	None Applicable
Personal protection	Self-contained breathing apparatus, gloves and safety glasses.

Section 9: Physical and Chemical Properties

Appearance	Clear, colorless solution
Boiling Point	100°C
Melting/Softening point	Not Applicable
Vapor Pressure	Not Available
Specific Gravity	1.03
Solubility (H ₂ O)	Almost completely
Percent Volatiles	None Applicable
Evaporation Rates	None Applicable.

Section 10: Stability and Reactivity

Stability of the Substance	Stable
Conditions to Avoid	None
Material to Avoid	Oxidizing agents.
Hazardous Decomposition Products	Toxic fumes of NO _x , CO _x

Section 11: Toxicological Information

Acute effects for individual ingredients only

Oral Mouse: LD50: 250 mg/Kg.
 Skin/Eyes: May cause irritation.
 Ingestion: May be fatal if swallowed. Call a physician.

Section 12: Environmental Information

Effects for individual ingredients only

Ivermectin may adversely affect aquatic organisms. Dispose of per EPA Guidelines.

Section 13: Disposal Considerations

Disposal Information	Wipe up or use absorbent material to collect. Dispose of containers in an approved landfill or by incineration.
Reference	None Applicable

Section 14: Transport Information

Relevant Information Not classified as a dangerous good for transport.

Section 15: Regulatory Information

Regulatory Status ANADA 200-429, Approved by F.D.A.

Section 16: Other Information

Additional Information Not for human use. Keep out of reach of children.