

PRODUCT NAME-IDENTITY: Ivermectin Injection	CHEMICAL CLASSIFICATION: Anthelmintic (Onchocerca)	CAS NUMBER: Ivermectin B1a: 71827 – 03-7 Ivermectin B1b: 70209 – 81-3
--	---	---

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.