

Reviewed October 2011

Section 1. Identity

 Product Name: **Helminth Ova & Larvae Formalin Suspensions**

Cat#	Description	SDL Prod ID
511	Trichura Trichuris Suspension - 2cc vial/pkg	00304
512	Strongyloides Larvae Suspension - 2cc vial/pkg	00305
514	Clonorchis sinensis Suspension - 2cc vial/pkg	00996
515	Nevator Americanus Suspension - 2cc vial/pkg	00308
517	Taenia sps Suspension - 2cc vial/pkg	00310
518	Hymenolopis Nana Suspension - 2cc vial/pkg	00311
520	Shistosoma Japonicum Suspension - 2cc vial/pkg	00313
521	Toxocara sps. Suspension - 2cc vial/pkg	00314
522	Ascaris Lumbricoides Suspension - 2cc vial/pkg	00315
524	S. Haematobium Suspension - 2cc vial/pkg	00317
527	Dipylidium Saninon Suspension - 2cc vial/pkg	00320

Manufacturer/Supplier: Scientific Device Laboratory, 411 Jarvis Avenue, Des Plaines, IL 60018
 Phone 847-803-9495

Emergency Information: In case of a chemical emergency, spill, fire, exposure or accident contact Scientific Device Laboratory (847) 803-9495 or CHEMTREC 1-800-424-9300 or 703-527-3887

Section 2. Hazardous Ingredients/Identity Information

Components: This product contains 2ml of 3.7% buffered Formalin CAS# 50-00-0 and ova or helminths. All organisms in contained in these vials are dead.

Section 3. Physical/Chemical Characteristics

Boiling Point: 95.9-99.4°C

Specific Gravity: 1.109 @21°C

Vapor Pressure (Air = 1): 1.1

Evaporation Rate: vd>1

Solubility in H₂O: soluble

Appearance: clear

Odor: pungent

Health = 3 Fire = 2 Reactivity = 2

Section 4. Fire and Explosion Hazard Data

Flash Point: 133°C

Flammable Limits: N/A

LEL/UEL: N/A

Extinguishing medium: N/A

Special Fire Procedures: wear self contained breathing apparatus and protective clothing

Unusual Fire and Explosion Hazards: can be combustible

Suitable extinguishing agents: Water spray. Dry chemical, alcohol foam or carbon dioxide

Health: **2** Flammability: **2** Reactivity: **0**

Section 5. Reactivity Data

Stability: Stable under ordinary conditions of use and storage

Conditions to avoid: swallowing and strong acids and bases

Reagent incompatibility: strong acids and bases, strong oxidizing agents

Hazardous Decomposition Products: May form carbon dioxide, carbon monoxide, and formaldehyde when heated to decomposition

Section 6. Health Hazard Data

Routes of Entry: Inhalation: yes Skin yes

Ingestion: yes avoid ingestion

Health Hazards: can cause pulmonary edema, may be carcinogen

Carcinogenicity: Oral rat LD50: 100 mg/kg; skin rabbit LD50: 270 uL/kg, Irritation data: eye, rabbit, 750ug Severe; inhalation rat LC50: 203 mg/m³; investigated as a tumorigen, mutagen, reproductive effector; Cancer Status: an OSHA regulated carcinogen. Methanol: oral rat LD50: 5628 mg/kg; inhalation rat LC50: 64000 ppm/4H; skin rabbit LD50: 15800 mg/kg; investigated as a tumorigen, mutagen, reproductive effector.

Medical conditions aggravated by exposure: any type of pulmonary distress

Signs and symptoms of exposure: none

Emergency First Aid Procedures:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 7. Precautions for Safe Handling and Use

Steps to be taken if material is spilled: clean with cloth

Waste Disposal Method: disposal by certified carrier

Precautions to be taken in Handling and Storage: store at room temperature

Other Precautions: wear appropriate safety clothing

Section 8. Control Measures

Ventilation: respiratory mask suggested

Protective Gloves: chemical resistant gloves

Protective clothing: chemical resistant

Work/Hygiene Practices: good general microbiology techniques

Eye Protection: chemical safety goggles

Ecological factors: The following statements refer to the environmental fate of formaldehyde. When released into the soil, this material is expected to leach into groundwater. When released into water, this material is expected to readily biodegrade. When released into water, this material is not expected to evaporate significantly. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to be readily degraded by photolysis.

When released into the air, this material is expected to be readily removed from the atmosphere by dry and wet deposition. When released into the air, this material is expected to have a half-life of less than 1 day.

Section 9. Transport

Not regulated

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Revision History

CR NUMBER	REVISION
0908-001	00
0910-001	01
0911-007	02