

**1. Product and Company Identification**

**Product Name** Sergeant's Gold Flea & Tick Squeeze-On for Dogs  
 (Three 1.5mL, three 3.0 mL, Six 3.0mL, Three 4.5mL Tubes)

**Weight Sizes** For dogs 9 to 20 lbs, 21 to 39 lbs, 40 to 60 lbs, 61 lbs and over

**Product use** Flea & tick squeeze-on for dogs

**Manufacturer** Sergeant's Pet Care Products, Inc.  
 2625 South 158th Plaza  
 Omaha, NE 68130-1770 US  
 Phone: 1-800- 224-7387  
 Fax: 1-402-938-7099

**CHEMTREC** 1-800-424-9300

LEGEND HMIS	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	1
Personal Protection	X

**2. Hazards Identification**

**Emergency overview** CAUTION  
 Hazards to humans and domestic animals. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if swallowed or absorbed through skin. DO NOT USE ON CATS. May be toxic and potentially fatal if applied to or ingested by cats. FOR EXTERNAL USE ON DOGS ONLY. Do not use on puppies under 12 weeks of age.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes** Contact with eyes may cause pain and irritation. Repeated contact with eyes may cause severe irritation.

**Skin** This product may be harmful if it is absorbed through the skin. Contact with skin may cause irritation, dermatitis.

**Inhalation** Toxic by inhalation. Inhalation of mists or vapors may cause irritation to the upper respiratory tract and mucous membranes. Prolonged inhalation of this product may cause ulcers to the upper respiratory tract.

**Ingestion** This substance is toxic to internal organs if swallowed. Signs and symptoms of cholinesterase inhibition may include, but may not be limited to, headache, dizziness, weakness, nausea, vomiting, diarrhea, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating and abdominal cramps.

**Target organs** Blood.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms are prostration, gasping, pallor, and uncoordinated movements. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**3. Composition / Information on Ingredients**

Ingredient(s)	CAS #	Percent
Cyphenothrin	39515-40-7	30 - 60
Isodecyl diphenyl phosphate	29761-21-5	30 - 60
Phosphoric acid, triphenyl ester	115-86-6	3 - 7
Pyriproxyfen	95737-68-1	1 - 5

**Composition comments**

115-86-6 - Chemical is listed or defined as a SEVERE marine pollutant in IMDG Code or 49CFR 172.101 Appendix B, List of Marine Pollutants and must be classified as an Environmentally Hazardous Substance, Class 9, in addition to any other defined hazards for this product.

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## 4. First Aid Measures

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**First aid procedures**

<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.
<b>Ingestion</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Notes to physician**

Symptoms may be delayed.

**General advice**

Immediate medical attention is required. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Carbon dioxide. Fog. Dry chemical. Foam.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Do not remove tube from the pack until ready to use.
<b>Storage</b>	Store in a cool dry place inaccessible to children and pets. Do not refrigerate. Protect from direct sunlight.

## 8. Exposure Controls / Personal Protection

Exposure limits Ingredient(s)	Exposure Limits
Cyphenothrin	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Isodecyl diphenyl phosphate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Phosphoric acid, triphenyl ester	<b>ACGIH-TLV</b> TWA: 3 mg/m <sup>3</sup> <b>OSHA-PEL</b> Not established
Pyriproxyfen	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

<b>Engineering controls</b>	Provide adequate ventilation. Local exhaust recommended.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear chemical goggles.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Yellow
<b>Form</b>	Liquid
<b>Odor</b>	mild, characteristic
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	Not applicable
<b>Freezing point</b>	Not available
<b>Boiling point</b>	67.77 °C (154 °F)
<b>Flash point</b>	130.00 °C (266 °F)
<b>Evaporation rate</b>	< 1
<b>Flammability limits in air, lower, % by volume</b>	Not applicable
<b>Flammability limits in air, upper, % by volume</b>	Not applicable
<b>Vapor pressure</b>	< 0.1 mmHg @ 20°C
<b>Vapor density</b>	> 1
<b>Specific gravity</b>	1.081
<b>Octanol/water coefficient</b>	Not available

<b>Solubility (H2O)</b>	Negligible
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	None
<b>Viscosity</b>	Viscous
<b>Percent volatile</b>	None

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Cyphenothrin	Not available
Isodecyl diphenyl phosphate	6 mg/l/4h rat
Phosphoric acid, triphenyl ester	Not available
Pyriproxyfen	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Cyphenothrin	318 mg/kg rat
Isodecyl diphenyl phosphate	15800 mg/kg rat
Phosphoric acid, triphenyl ester	Not available
Pyriproxyfen	Not available

### Effects of acute exposure

<b>Eye</b>	Contact with eyes may cause pain and irritation. Repeated contact with eyes may cause severe irritation.
<b>Skin</b>	This product may be harmful if it is absorbed through the skin. Contact with skin may cause irritation, dermatitis.
<b>Inhalation</b>	Toxic by inhalation. Inhalation of mists or vapors may cause irritation to the upper respiratory tract and mucous membranes. Prolonged inhalation of this product may cause ulcers to the upper respiratory tract.
<b>Ingestion</b>	This substance is toxic to internal organs if swallowed. Signs and symptoms of cholinesterase inhibition may include, but may not be limited to, headache, dizziness, weakness, nausea, vomiting, diarrhea, constriction of the pupil of the eye, blurred or dark vision, excessive salivation or nasal discharge, profuse sweating and abdominal cramps.
<b>Sensitization</b>	Non-hazardous by OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by OSHA criteria.

#### ACGIH - Threshold Limits Values - Carcinogens

Phosphoric acid, triphenyl ester    115-86-6    A4 - Not Classifiable as a Human Carcinogen

<b>Mutagenicity</b>	Non-hazardous by OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by OSHA criteria.

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.	
<b>Ecotoxicity - Freshwater Algae Data</b>		
Phosphoric acid, triphenyl ester	115-86-6	96 Hr EC50 freshwater algae: 2.0 mg/L
<b>Ecotoxicity - Freshwater Fish Species Data</b>		
Isodecyl diphenyl phosphate	29761-21-5	96 Hr LC50 Lepomis macrochirus: 6700 mg/L [static]
Phosphoric acid, triphenyl ester	115-86-6	96 Hr LC50 Oncorhynchus mykiss: 0.3 mg/L; 96 Hr LC50 Pimephales promelas: 0.87 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 290.0 mg/L [static]; 96 Hr LC50 Pimephales promelas: 0.66 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.78 mg/L [static]; 96 Hr LC50 Oryzias latipes: 1.2 mg/L [static]
<b>Ecotoxicity - Water Flea Data</b>		
Isodecyl diphenyl phosphate	29761-21-5	48 Hr EC50 Daphnia magna: >0.03 mg/L
Phosphoric acid, triphenyl ester	115-86-6	48 Hr EC50 water flea: 1.0 mg/L
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Persistence / degradability</b>	Not available	
<b>Bioaccumulation / accumulation</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Chemical fate information</b>	Not available	

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## 13. Disposal Considerations

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<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEAN-UP for disposal instructions. Never place unused product down any indoor or outdoor drain.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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<b>Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.

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## 15. Regulatory Information

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<b>US Federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable. EPA registration number 2517-80	
<b>Occupational Safety and Health Administration (OSHA)</b>		
29 CFR 1910.1200 hazardous chemical	Yes	
<b>CERCLA (Superfund) reportable quantity</b>	None	
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>		
<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
<b>Section 302 extremely hazardous substance</b>	No	
<b>Section 311 hazardous chemical</b>	Yes	
<b>Clean Air Act (CAA)</b>	Not available	

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Clean Water Act (CWA) Not available  
 Safe Drinking Water Act (SDWA) Not available  
 Drug Enforcement Agency (DEA) Not available  
 Food and Drug Administration (FDA) Not available

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Phosphoric acid, triphenyl ester 115-86-6 Present

**U.S. - Massachusetts - Right To Know List**

Phosphoric acid, triphenyl ester 115-86-6 Present

**U.S. - Minnesota - Hazardous Substance List**

Phosphoric acid, triphenyl ester 115-86-6 Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Phosphoric acid, triphenyl ester 115-86-6 sn 1951

Pyriproxyfen 95737-68-1 Sn 2643 (flammable, liquid, toxic, flash point less than 23°C); sn 2642 (flammable, liquid, toxic, flash point between 23°C and 61°C); sn 2644 (liquid, toxic); sn 2645 (solid, toxic)

**U.S. - Pennsylvania - RTK (Right to Know) List**

Phosphoric acid, triphenyl ester 115-86-6 Present

**U.S. - Rhode Island - Hazardous Substance List**

Phosphoric acid, triphenyl ester 115-86-6 Toxic

## 16. Other Information

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Recommended use**

FOR EXTERNAL USE ON DOGS ONLY. DO NOT USE ON CATS. Do not use on puppies under 12 weeks of age. Best if used year round.

**Issue date**

14-Feb-2007

**Effective date**

01-Dec-2006

**Prepared by**

Regulatory Service (1-402-938-7065)