

1. Product and Company Identification

Product Name Sentry Pro® Squeeze-On Flea & Tick Control for Dogs
CAS # Mixture
Product use Flea & tick squeeze-on for dogs
Weight Sizes For dogs under 15 lbs., 15 to 33 lbs., 33 to 66 lbs., 66 lbs. and over
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	0
Personal Protection	B

2. Hazards Identification

Emergency overview CAUTION
 HAZARDS TO DOMESTIC ANIMALS. FOR EXTERNAL USE ON DOGS ONLY. DO NOT USE ON CATS or animals other than dogs. May be toxic and potentially fatal if applied to or ingested by cats. Do not use on puppies under 3 months of age. Do not get this product in your dog's eyes or mouth.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes Non-irritating based on test data.
Skin Non-irritating based on test data. Not a skin sensitizer based on test data.
Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Target organs Eyes. Skin. Respiratory system.
Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Permethrin	52645-53-1	40 - 60
Pyriproxyfen	95737-68-1	1 - 2.5
Composition comments	Active ingredients are listed above.	

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible). 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.

5. Fire Fighting Measures

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

6. Accidental Release Measures

Personal precautions	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.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.
Methods for cleaning up	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.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits	Exposure Limits
Ingredient(s)	Exposure Limits
Permethrin	ACGIH-TLV Not established OSHA-PEL Not established
Pyriproxyfen	ACGIH-TLV Not established OSHA-PEL Not established
Engineering controls	General ventilation normally adequate.

Personal protective equipment

Eye / face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	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

Appearance	Clear.
Color	amber
Form	Liquid
Odor	Not available
Odor threshold	Not available
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	> 100 °C (> 212.00 °F)
Flash point	> 100 °C (> 212.00 °F)
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Partially soluble
Auto-ignition temperature	Not available
VOC (Weight %)	Not available
Viscosity	Viscous
Percent volatile	Not available

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Acute effects	Acute LD50: >5000 mg/kg, Rat, Dermal Acute LD50: >5000 mg/kg, Rat, Oral
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Component analysis - LC50

Ingredient(s)	LC50
Permethrin	2.3 Mg/L rat
Pyriproxyfen	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Permethrin	806 mg/kg rat
Pyriproxyfen	Not available
Effects of acute exposure	
Eye	Non-irritating based on test data.
Skin	Non-irritating based on test data. Not a skin sensitizer based on test data.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Sensitization	Non-hazardous by OSHA criteria.
Chronic effects	Non-hazardous by OSHA criteria.
Carcinogenicity	Non-hazardous by OSHA criteria.
IARC - Group 3 (Not Classifiable)	
Permethrin	52645-53-1 Monograph 53 [1991]
Mutagenicity	Non-hazardous by OSHA criteria.
Reproductive effects	Non-hazardous by OSHA criteria.
Teratogenicity	Non-hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicity - Freshwater Fish Species Data

Permethrin 52645-53-1 96 Hr LC50 Pimephales promelas: 0.016 mg/L [flow-through]

Environmental effects This product is toxic to fish and aquatic organisms.

Aquatic toxicity Not available

Persistence / degradability Not available

Bioaccumulation / accumulation Not available

Partition coefficient Not available

Mobility in environmental media Not available

Chemical fate information Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Dispose in accordance with all applicable regulations. 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.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

Department of Transportation (DOT)

Not regulated as dangerous goods.

15. Regulatory Information

US Federal regulations 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 2517-87

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Permethrin 52645-53-1 1.0 % de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

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. - Massachusetts - Right To Know List

Permethrin 52645-53-1 Present

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

Permethrin	52645-53-1	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)
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)

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.

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