



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Sentry Pro Kills Flea Eggs Flea & Tick Shampoo for Dogs & Puppies
CAS # Mixture
Product use Shampoo Insecticide
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
 Emergency Phone: 1-800-781-4738
 1-800-424-9300

CHEMTREC

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

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B

2. Hazards Identification

Emergency overview

CAUTION

Hazards to humans and domestic animals. HARMFUL IF INHALED. Avoid breathing mists or vapors. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not apply on dogs less than 6 months old.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Moderately irritating to the eyes.

Skin

Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

Inhalation

Harmful if inhaled. May cause respiratory tract irritation.

Ingestion

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 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
Permethrin	52645-53-1	0.1 - 1
Piperonyl butoxide	51-03-6	0.1 - 1
Pyriproxyfen	95737-68-1	0 - 0.1
Composition comments	Active ingredients are listed above.	

4. First Aid Measures

First aid procedures

Eye contact	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.
Skin contact	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.
Inhalation	Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
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	Treat for surrounding material.
Unsuitable extinguishing media	Not available
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.
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

Ingredient(s)	Exposure Limits
Permethrin	ACGIH-TLV Not established OSHA-PEL Not established
Piperonyl butoxide	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	Yellow
Form	Liquid
Odor	Baby Powder
Odor threshold	Not available
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	> 93.33 °C (> 200 °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 (H ₂ O)	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. Heat.
Incompatible materials	Acids. Oxidizers. Caustics.
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

Component analysis - LC50

Ingredient(s)	LC50
Permethrin	2.3 Mg/L rat; 2.3 mg/l/4h rat
Piperonyl butoxide	Not available
Pyriproxyfen	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Permethrin	806 mg/kg rat
Piperonyl butoxide	2600 mg/kg mouse; 6150 mg/kg rat; 2650 mg/kg rabbit
Pyriproxyfen	Not available

Effects of acute exposure

Eye	Moderately irritating to the eyes.
Skin	Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

Inhalation Harmful if inhaled. May cause respiratory tract irritation.

Ingestion 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]
Piperonyl butoxide	51-03-6	Supplement 7 [1987], Monograph 30 [1983]

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]
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Environmental effects Not available

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.
EPA registration number 2517-79

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

Permethrin	52645-53-1	1.0 % de minimis concentration
Piperonyl butoxide	51-03-6	1.0 % de minimis concentration

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Formaldehyde: 100.0000

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 WARNING: This product contains a chemical known to the State of California to cause cancer.

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)
Piperonyl butoxide	51-03-6	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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