

1. Product and Company Identification

Product Name Sergeant's Silver Flea and Tick Powder for Cats
CAS # Mixture
Product use Kills fleas and ticks
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	* 1
Flammability	1
Physical Hazard	0
Personal Protection	X

2. Hazards Identification

Emergency overview Hazards to humans and domestic animals.
 CAUTION
 Avoid breathing dust and contact with skin and eyes. Do not use on (or cause exposure to) kittens under 12 weeks of age.

Potential short term health effects

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

Eyes May cause irritation.

Skin May cause irritation.

Inhalation Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Respiratory system. Skin.

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
Piperonyl butoxide	51-03-6	0.1 - 1
Pyrethrin	8003-34-7	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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Foam. Carbon dioxide.
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	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

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
Piperonyl butoxide	ACGIH-TLV Not established OSHA-PEL Not established
Pyrethrin	ACGIH-TLV TWA: 5 mg/m ³ OSHA-PEL TWA: 5 mg/m ³
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	Powder
Color	White
Form	Powder
Odor	insecticide
Odor threshold	Not available
Physical state	Solid
pH	Not available
Freezing point	Not available
Boiling point	Not applicable
Flash point	> 93.33 °C (> 200 °F) Tag Closed Cup
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)	Insoluble
Auto-ignition temperature	Not available
VOC (Weight %)	Not available
Viscosity	Not applicable
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. Reducing agents. 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

Component analysis - LC50

Ingredient(s)	LC50
Piperonyl butoxide	Not available
Pyrethrin	3.4 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Piperonyl butoxide	2600 mg/kg mouse; 6150 mg/kg rat; 2650 mg/kg rabbit
Pyrethrin	200 mg/kg rat; 273 mg/kg mouse

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
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.
ACGIH - Threshold Limits Values - Carcinogens	
Pyrethrin	8003-34-7 A4 - Not Classifiable as a Human Carcinogen
IARC - Group 3 (Not Classifiable)	
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	
Pyrethrin	8003-34-7 96 Hr LC50 Oncorhynchus mykiss: 54 mg/L; 96 Hr LC50 Lepomis macrochirus: 0.058 mg/L [static]
Environmental effects	This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.
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: Nonrefillable container. Do not reuse or refill the container. 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.
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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 2517-95
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	
Pyrethrin	8003-34-7 1 Lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)
U.S. - CERCLA/SARA - Section 313 - Emission Reporting	
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

Pyrethrin: 1.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - Yes
 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	Yes

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

Pyrethrin 8003-34-7 Present

U.S. - Louisiana - Reportable Quantity List for Pollutants

Pyrethrin 8003-34-7 1 Lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)

U.S. - Massachusetts - Right To Know List

Pyrethrin 8003-34-7 Present

U.S. - Minnesota - Hazardous Substance List

Pyrethrin 8003-34-7 Present

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

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)

Pyrethrin 8003-34-7 sn 1623

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Pyrethrin 8003-34-7 1 Lb RQ (air); 1 lb RQ (land/water)

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

Pyrethrin 8003-34-7 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Pyrethrin 8003-34-7 Toxic

16. Other Information

Disclaimer

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Recommended use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Issue date

15-Jan-2008

Effective date

15-Jan-2008

Prepared by

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