1. Product and Company Identification

Product Name | SENTRYPRO Flea & Tick Dog and Cat Spray
---|---
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
CHEMTREC | 1-800-424-9300

### CHEMTREC

**LEGEND**

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
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2. Hazards Identification

**Emergency overview**

CAUTION

EYE IRRITANT

**Potential short term health effects**

**Routes of exposure**

Eye, Skin contact, Inhalation, Ingestion.

**Eyes**

May cause irritation.

**Skin**

May cause irritation.

**Inhalation**

May cause respiratory tract irritation.

**Ingestion**

May cause stomach distress, nausea or vomiting.

**Target organs**


**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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

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.
Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Symptoms may be delayed.

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. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties: Not flammable by OSHA criteria.

Extinguishing media:
- Suitable extinguishing media: Dry chemical. Carbon dioxide. Foam.
- 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. When using do not eat or drink.

Storage: Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
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<td>TWA: 1000 ppm</td>
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<tr>
<td></td>
<td>STEL: 1000 ppm</td>
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<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>
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 and Chemical Properties

Appearance
Spray

Color
Clear

Form
Liquid

Odor
Not available

Odor threshold
Not available

Physical state
Liquid

pH
6.25 - 6.75

Freezing point
Not available

Pour point
Not available

Boiling point
Not available

Flash point
Not available

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

Auto-ignition temperature
Not available

10. Stability and Reactivity

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not mix with other chemicals.

Incompatible materials
Acids. Oxidizers.

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
Ethanol 31623 ppm rat
Piperonyl butoxide Not available

Component analysis - Oral LD50
Ingredient(s) LD50
Ethanol 3450 mg/kg mouse; 7060 mg/kg rat
Piperonyl butoxide 2600 mg/kg mouse; 6150 mg/kg rat; 2650 mg/kg rabbit

Effects of acute exposure
Eye May cause irritation.
Skin May cause irritation.
Inhalation  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.  

ACGIH - Threshold Limit Values - Carcinogens  
Ethanol  64-17-5  A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans  
IARC - Group 1 (Carcinogenic to Humans)  
Ethanol  64-17-5  Monograph 96 [in preparation] (in alcoholic beverages)  
IARC - Group 3 (Not Classifiable)  
Piperonyl butoxide  51-03-6  Supplement 7 [1987]; Monograph 30 [1983]  

Mutagenicity  Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.  
Reproductive effects  Contains a potential reproductive toxin.  
Teratogenicity  Non-hazardous by OSHA criteria.  
Synergistic Materials  Not available  

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

Ecotoxicity - Freshwater Fish Species Data  
Ethanol  64-17-5  96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 mgl/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400-15100 mg/L [flow-through]  

Ecotoxicity - Microtox Data  
Ethanol  64-17-5  5 Min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium phosphoreum: 34634 mg/L  

Ecotoxicity - Water Flea Data  
Ethanol  64-17-5  48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]  

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  Review federal, provincial, and local government requirements prior to disposal.  
Waste from residues / unused products  Not available  
Contaminated packaging  Not available  

14. Transport Information  
U.S. Department of Transportation (DOT)  
Not regulated as dangerous goods.  
IMDG (Marine Transport)  
Not regulated as dangerous goods.  
IATA/ICAO (Air)  
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 2517-107

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

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
Ethanol 64-17-5 Present (refers to solutions greater than or equal to 25% which are not beverage alcohols)

U.S. - California - Proposition 65 - Developmental Toxicity
Ethanol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

U.S. - Massachusetts - Right To Know List
Ethanol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List
Ethanol 64-17-5 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Ethanol 64-17-5 sn 0844
Piperonyl butoxide 51-03-6 sn 3732

U.S. - Pennsylvania - RTK (Right to Know) List
Ethanol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List
Ethanol 64-17-5 Toxic; Flammable

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)

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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