

## 1. Product and Company Identification

<b>Product Name</b>	<b>SENTRY HOMEGUARD household spray</b>
<b>Synonyms</b>	EPA# 1021-2581-2517
<b>CAS #</b>	Mixture
<b>Product use</b>	Kills fleas, ticks and other listed insects on the label
<b>Distributor</b>	Sergeant's Pet Care Products, Inc. 10077 South 134 <sup>th</sup> Street Omaha, NE 68138-3710 US Phone: 1-800-224-7387 Emergency Phone: 1-800-781-4738
<b>CHEMTREC</b>	1-800-424-9300

## 2. Hazards Identification

<b>Emergency overview</b>	<b>CAUTION</b> Contents under pressure. DO NOT puncture or incinerate container Do not use or store near heat, sparks, open flame, or any other ignition sources. Do not expose to temperatures above 130°F (54.4°C), as bursting may occur. Avoid contact with skin, eyes, and clothing.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eyes. Skin contact. Inhalation.
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Ingestion</b>	May be harmful if swallowed. May cause stomach distress, nausea, vomiting or diarrhea.
<b>Inhalation</b>	May cause irritation.
<b>Target organs</b>	Eyes. Skin. Respiratory system.
<b>Chronic effects</b>	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
<b>Signs and symptoms</b>	Symptoms of overexposure may be tearing, blurred vision, headache, dizziness, nausea, burning or prickling sensation on more sensitive areas (face, eyes, mouth).

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Pyriproxyfen	95737-68-1	0.1 – 1
d-Phenothrin	26002-80-2	0.1 – 1
N-Octyl Bicycloheptene Dicarboximide	113-48-4	1 – 5
Petroleum Distillates	64742-47-8	1 – 10
Liquefied Petroleum Gas	68476-86-8	10 – 15

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if applicable, after the first 5 minutes, then continue rinsing eye. Obtain medical attention if irritation develops or persists.
<b>Skin contact</b>	Remove contaminated clothing. Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation develops.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Obtain medical attention IMMEDIATELY. Do NOT give any liquid to the person. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Notes to physician</b>	Treat patient symptomatically. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

**General advice**

If you feel unwell, seek medical advice (show 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.  
KEEP OUT OF REACH OF CHILDREN.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Non-Flammable by the flame extension test described in 16 CFR 1500.45.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Foam, Carbon Dioxide, or Dry Chemical. Keep nearby containers and equipment cool with a water stream.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Exposure to temperatures above 130°F (54.4°C) may cause bursting. Irritating fumes may be released during combustion. Treat as an oil fire.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	Toxic gases may form which include and are not limited to: Oxides of carbon and nitrogen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Shut off ignition sources. Keep unnecessary personnel away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters as product contains pyrethroids which are toxic to fish and other aquatic invertebrates.
<b>Methods for containment</b>	Stop release 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, capturing water spray with appropriate diking.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data and wear appropriate personal protective equipment (PPE). Shut off ignition sources. Wet down with water to reduce vapors as needed, and dike for later disposal. Absorb with non-reactive absorbent and place in suitable, covered, labeled containers. Never return spills to original container for re-use. After removal, clean spill area to remove residues and remaining absorbent. Contact emergency services and/or supplier for advice, if needed.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. Contents under pressure - DO NOT puncture or incinerate container. Ensure adequate ventilation. DO NOT use near heat, sparks, open flame, near any ignition sources, or near strong acids, bases, and oxidizers. Do not get this material in your eyes or on skin. When using, do not eat or drink. Wash hands thoroughly after handling.
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN. Store in original container upright and closed, located in a cool, dry, well ventilated place away from direct sunlight, food, and incompatible materials. DO NOT expose to temperatures above 130°F (54.4°C), as bursting may occur.

## 8. Exposure Controls / Personal Protection

Exposure limits Ingredient(s)	Exposure Limits
Pyriproxyfen	<b>ACGIH-TLV</b> TWA: Not available STEL: Not available <b>OSHA-PEL</b> TWA: Not available
d-Phenothrin	<b>ACGIH-TLV</b> TWA: Not available STEL: Not available <b>OSHA-PEL</b> TWA: Not available
N-Octyl Bicycloheptene Dicarboximide	<b>ACGIH-TLV</b> TWA: Not available STEL: Not available <b>OSHA-PEL</b> TWA: Not available
Petroleum Distillates	<b>ACGIH-TLV</b> TWA: Not available STEL: Not available <b>OSHA-PEL</b> TWA: Not available
Liquefied Petroleum Gas	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: Not available <b>OSHA-PEL</b> TWA: 1000 ppm
<b>Engineering controls</b>	Use under good ventilation conditions.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Safety glasses.
<b>Hand protection</b>	Rubber gloves. Confirm with reputable supplier first.
<b>Skin and body protection</b>	As required by employer code. Take prudent precautions to avoid contact with skin and clothing.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<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 and Chemical Properties

<b>Color</b>	Milky white
<b>Form</b>	Liquid
<b>Odor</b>	Slight surfactant odor
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquefied gases and liquid
<b>pH</b>	7.5 @ 5% in water (determined without gas propellant)
<b>Freezing point</b>	Not available
<b>Pour point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available

<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Heavier than air
<b>VOC content</b>	<15.000%
<b>Specific gravity</b>	0.979 @ 71.6°F (22°C) ( <i>Water =1</i> ) (determined without gas propellant)
<b>Octanol/water coefficient</b>	Not applicable
<b>Solubility (H2O)</b>	Partially miscible (determined without gas propellant)
<b>Auto-ignition temperature</b>	Not applicable
<b>Viscosity</b>	2483.3 CPS @ 70.3°F (21.3°C) Brookfield on Non-Volatiles

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## 10. Stability and Reactivity

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<b>Reactivity</b>	None known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization is not expected to occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	DO NOT expose to temperatures above 130°F (54.4°C), as bursting may occur. Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong acids, bases, and oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon and nitrogen.

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## 11. Toxicological Information

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<b>ACUTE mixture analysis:</b>	
<b>  INHALATION LC<sub>50</sub>:</b>	> 2.08 mg/L/4hr – Albino Rat (EPA Toxic Category IV)
<b>  ORAL LD<sub>50</sub>:</b>	> 5000 mg/kg – Albino Rat
<b>  DERMAL LD<sub>50</sub>:</b>	> 5000 mg/kg – Albino Rabbit
<b>Effects of acute exposure</b>	
<b>Eye</b>	Non-irritating to eyes (Albino rabbits). Maximum Mean Total Score = 0.
<b>Skin</b>	Moderately irritating (Albino rabbits). Produced a Primary Dermal Irritation Index of 3.6. All animals were free of erythema and edema by Day 7.
<b>Ingestion</b>	May be harmful if swallowed. May cause stomach distress, nausea, vomiting or diarrhea.
<b>Inhalation</b>	May cause irritation.
<b>Sensitization</b>	Positive
<b>Chronic effects</b>	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
<b>Carcinogenicity</b>	Non-hazardous by OSHA criteria.
<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.
<b>Synergistic Materials</b>	Not available

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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>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

## 13. Disposal Considerations

<b>Disposal instructions</b>	Review federal, state and local government requirements prior to disposal. Ensure container is completely empty. Typically municipal landfill will be appropriate or recycle if available. Do not reuse or refill this container. Do NOT puncture or incinerate container!
<b>Waste from residues / unused products</b>	Review federal, state and local government requirements prior to disposal.
<b>Contaminated packaging</b>	Review federal, state and local government requirements prior to disposal.

## 14. Transport Information

### U.S. Department of Transportation (DOT)

<b>Proper shipping name</b>	Aerosols, Limited Quantity
<b>Hazard class</b>	2.2
<b>UN number</b>	1950
<b>Packing group</b>	N/A
<b>Additional information:</b>	
<b>173.4 Small quantity</b>	Not allowed
<b>Limited quantity</b>	30 kg gross & ≤1L
<b>Special provisions</b>	306

### Package Labels



### IMDG (Marine Transport)

#### Basic shipping requirements:

<b>Proper shipping name</b>	AEROSOLS, Limited Quantity
<b>Hazard class</b>	2.2
<b>UN number</b>	1950
<b>Additional information:</b>	
<b>Excepted quantity</b>	E0
<b>Limited quantity</b>	≤1L
<b>Stowage location</b>	Cat A
<b>Special provisions</b>	63, 190, 277, 327, 959



### IATA/ICAO (Air)

#### Basic shipping requirements:

<b>Proper shipping name</b>	Aerosols, non-flammable, Limited Quantity
<b>Hazard class</b>	2.2
<b>UN number</b>	UN1950
<b>Additional information:</b>	
<b>Excepted quantity</b>	E0
<b>Limited quantity passenger/cargo aircraft</b>	30 kg gross & ≤1L
<b>Packing instruction</b>	Y203
<b>Special provisions</b>	A93, A145, A167, A802



## 15. Regulatory Information

<b>US Federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
<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 - No Fire Hazard - No Pressure Hazard - Yes Reactivity Hazard - No No	
<b>Section 302 extremely hazardous substance</b>	No	
<b>Section 311 hazardous chemical</b>	No	
<b>Clean Air Act (CAA)</b>	Not available	
<b>Clean Water Act (CWA)</b>	Not available	
<b>State regulations</b>	This product <i>does not</i> contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.	
<b>Inventory status</b>		
<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
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)		

## 16. Other Information

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

Health	/ 2
Flammability	4
Physical Hazard	1
Personal Protection	X

**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.

**Issue date** 22-April-2013  
**Effective date** 15-April-2013  
**Prepared by** Sergeant's Regulatory Department  
**Other information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

Revision Date:  
 Sections Revised:  
 Supersedes MSDS Dated: