

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Sergeant's Gold Flea & Tick Collar for Dogs
Synonym(s)	EPA registration # 2517-144
Product use	Flea & tick collar for pets over 12 weeks of age.
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

2. Hazards Identification

Emergency overview	CAUTION HARMFUL IF SWALLOWED. EYE IRRITANT
Potential short term health effects	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	Causes moderate eye irritation.
Skin	May cause irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	Harmful if swallowed. May cause stomach distress, nausea or vomiting.
Target organs	Eyes. Skin. Blood. Kidney. Liver. Central nervous 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.
OSHA Regulatory Status	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Potential environmental effects	See section 12.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
D-Phenothrin	26002-80-2	2.5 - 10
N-Octyl bicycloheptene dicarboximide	113-48-4	2.5 - 10
Propoxur	114-26-1	2.5 - 10
Pyriproxyfen	95737-68-1	0.1 - 1

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	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	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.

Notes to physician

Dust released by this collar is a cholinesterase inhibitor. Atropine is antidotal.

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. Keep out of reach of children.

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. Oxides of nitrogen.
Explosion data	
Sensitivity to mechanical impact	Not applicable.
Sensitivity to static discharge	Not applicable.

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.
Environmental precautions	Prevent entry into waterways, sewers, or confined areas.
Methods for containment	Place in closed labeled container.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above, and use appropriate personal protective equipment (PPE). Use broom to collect material without raising dust. Place in suitable labeled container for disposal. Rinse area with water. If unsure of clean-up methods, contact emergency services and/or supplier for advice.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Avoid contact with eyes or clothing. Wash thoroughly after handling.
Storage	Store in a cool, dry area that is inaccessible to children or pets. Protect from freezing.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
D-Phenothrin	ACGIH-TLV Not established OSHA-PEL Not established
N-Octyl bicycloheptene dicarboximide	ACGIH-TLV Not established OSHA-PEL Not established
Propoxur	ACGIH-TLV TW A: 0.5 mg/m ³ 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 and Chemical Properties

Appearance	PVC strip
Color	White - off white
Form	Collar
Odor	Vanilla
Odor threshold	Not available
Physical state	Solid
pH	Not applicable
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	Not applicable
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not applicable
Relative density	1.165 g/mL

10. Stability and Reactivity

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	None known.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
D-Phenothrin	Not available
N-Octyl bicycloheptene dicarboximide	Not available
Propoxur	0.498 mg/l/4h rat
Pyriproxyfen	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
D-Phenothrin	10000 mg/kg rat
N-Octyl bicycloheptene dicarboximide	2800 mg/kg rat
Propoxur	70 mg/kg rat
Pyriproxyfen	2000 mg/kg rat

Effects of acute exposure

Eye	Causes moderate eye irritation.
Skin	May cause irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Sensitization Non-hazardous by OSHA criteria.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Carcinogenicity See below.

ACGIH - Threshold Limit Values - Carcinogens

Propoxur 114-26-1 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

U.S. - California - Proposition 65 - Carcinogens List

Propoxur 114-26-1 carcinogen, initial date 8/11/06

Mutagenicity Non-hazardous by OSHA criteria.

Reproductive effects Contains a potential reproductive toxin.

Teratogenicity Contains a potential teratogen.

Name of Toxicologically Synergistic Products Not available

12. Ecological Information

Ecotoxicity	See below	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data		
Propoxur	114-26-1	96 Hr EC50 <i>Desmodesmus subspicatus</i> : 13.4 mg/L; 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 2.8484 mg/L [static]
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Propoxur	114-26-1	96 Hr LC50 <i>Pimephales promelas</i> : 7.4-10.5 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : 25 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 13.6 mg/L; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 2.2-6.9 mg/L [static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 3.3 mg/L; 96 Hr LC50 <i>Poecilia reticulata</i> : 1.3-1.5 mg/L; 96 Hr LC50 <i>Poecilia reticulata</i> : 1.41-2.15 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Propoxur	114-26-1	48 Hr EC50 <i>Daphnia magna</i> : 0.15 mg/L
Persistence / degradability	Not available	
Bioaccumulation / accumulation	Not available	
Mobility in environmental media	Not available	
Environmental effects	Not available	
Aquatic toxicity	Not available	
Partition coefficient	Not available	
Chemical fate information	Not available	

13. Disposal Considerations

Disposal instructions	Non-refillable container. Do not reuse or refill the container. Dispose of expired collar in trash or call your local waste agency for disposal instructions.
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)

Basic shipping requirements:

Proper shipping name	Environmentally Hazardous Substance, Solid, n.o.s. (PROPOXUR)
Hazard class	9
UN number	3077
Packing group	III

Additional information:

Special provisions	179, 274, 335, 909
Limited quantity	5kg
Excepted quantity code	E1
Stowage location	Cat A



IATA/ICAO (Air)

Basic shipping requirements:

Proper shipping name Environmentally hazardous substance, solid, n.o.s. (PROPOXUR)
Hazard class 9
UN number 3077
Packing group III



Additional information:

Special provisions A97, A158, A179
Excepted quantity code E1
Limited quantity 30 kg

15. Regulatory Information

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Propoxur 114-26-1 100 Lb final RQ; 45.4 kg final RQ

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

D-Phenothrin 26002-80-2 1.0 % de minimis concentration

Propoxur 114-26-1 1.0 % de minimis concentration

CERCLA (Superfund) reportable quantity

Propoxur: 100.0000

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 No

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Propoxur 114-26-1 Present

U.S. - California - Proposition 65 - Carcinogens List

Propoxur 114-26-1 carcinogen, initial date 8/11/06

U.S. - Illinois - Toxic Air Contaminants

Propoxur 114-26-1 Present

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

Propoxur 114-26-1 100 Lb final RQ; 45.4 kg final RQ

U.S. - Massachusetts - Right To Know List

Propoxur 114-26-1 Neurotoxin

U.S. - Minnesota - Hazardous Substance List

Propoxur 114-26-1 Present

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

D-Phenothrin 26002-80-2 sn 3727

Propoxur 114-26-1 sn 1604

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

Propoxur 114-26-1 1 Lb RQ (air); 1 lb RQ (land/water)

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

Propoxur 114-26-1 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Propoxur 114-26-1 Toxic

U.S. - Washington - Dangerous Waste - Dangerous Waste Constituents List

Propoxur 114-26-1 Present

U.S. - Washington - Dangerous Waste - Discarded Chemical Products List

Propoxur 114-26-1 Dangerous Waste No. U411

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

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

Health	* 2
Flammability	0
Physical Hazard	0
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.

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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