

1. Product and Company Identification

Product Name Sergeant's Gold Household Fogger
CAS # Mixture
Product use Kills fleas, ticks, mosquitoes, flea eggs, flea larvae.
 EPA registration number 1021-1674-2517
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	4
Physical Hazard	1
Personal Protection	B

2. Hazards Identification

Emergency overview

WARNING
 READ THE LABEL BEFORE USING.
 Flammable gas. Contents under pressure. Containers may explode when heated.
 Hazards to humans and domestic animals. Causes skin irritation. Harmful if absorbed through skin. Do not get on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Contains a potential reproductive toxin.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation.

Eyes

May cause irritation.

Skin

May cause irritation.

Inhalation

Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion

Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

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
Distillates (petroleum), light hydrotreated	64742-47-8	2.5 - 10
Butane	106-97-8	10 - 20
Propane	74-98-6	10 - 20
N-Octyl bicycloheptene dicarboximide	113-48-4	0.1 - 1
Esfenvalerate	66230-04-4	0 - 0.1
Piperonyl butoxide	51-03-6	0 - 0.1
Pyrethrin	8003-34-7	0 - 0.1
Pyriproxyfen	95737-68-1	0 - 0.1

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	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	If swallowed, get medical help or contact a Poison Control Center immediately. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to physician

Contains petroleum distillate - vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E). Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.

General advice

Do not puncture or incinerate container. 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	Flammable aerosol by flame projection test. Containers may explode when heated.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide. Dry chemical. Foam.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	Under fire conditions this product may support combustion and may decompose to give off toxic gases such as HYDROGEN CYANIDE, carbon monoxide, carbon dioxide and nitrogen oxides.
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	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

7. Handling and Storage

Handling	<p>Do not use more than one fogger per room. Do not use in small, enclosed spaces such as closets, cabinets or under counters or tables. Do not use in a room 5 ft. X 5 ft. or smaller; instead, allow fog to enter from other rooms. Turn off all ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on (i.e. refrigerators, thermostats, etc.). Call your gas utility or management company if you need assistance with your pilot lights.</p> <p>Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food, or feedstuffs by storage, handling, or by disposal. Read and observe all precautions and instructions on the label.</p>
Storage	Store in a cool, dry, well-ventilated place. Do not store at temperatures above 49 °C (120.2°F). Keep away from heat, open flames or other sources of ignition. Do not puncture or incinerate container. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
Butane	ACGIH-TLV TWA: 1000 ppm OSHA-PEL Not established
Distillates (petroleum), light hydrotreated	ACGIH-TLV Not established OSHA-PEL Not established
Esfenvalerate	ACGIH-TLV Not established OSHA-PEL Not established
N-Octyl bicycloheptene dicarboximide	ACGIH-TLV Not established OSHA-PEL Not established
Piperonyl butoxide	ACGIH-TLV Not established OSHA-PEL Not established
Propane	ACGIH-TLV TWA: 1000 ppm OSHA-PEL TWA: 1000 ppm
Pyrethrin	ACGIH-TLV TWA: 5 mg/m ³ OSHA-PEL TWA: 5 mg/m ³
Pyriproxyfen	ACGIH-TLV Not established OSHA-PEL Not established

Engineering controls

Ventilate treatment area thoroughly for 30 minutes before re-entry.

Personal protective equipment

Eye / face protection

Take prudent precautions to avoid contact with eyes.

Hand protection

Take prudent precautions to avoid contact with skin and clothing.

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

DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. Physical & Chemical Properties

Appearance

Milky.

Color

Milky white

Form	Spray
Odor	Petroleum distillate
Odor threshold	Not available
Physical state	Gas
pH	7.2
Freezing point	Not available
Boiling point	Not available
Flash point	< 22.8 °C (< 73.04 °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	0.96 (@20°C)
Octanol/water coefficient	Not available
Solubility (H2O)	Immiscible
Auto-ignition temperature	Not available
Viscosity	(@23°C)
Percent volatile	< 41

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Aerosol containers are unstable at temperatures above 49°C (120.2°F). Do not mix with other chemicals.
Incompatible materials	Acids. Bases. Oxidizers.
Hazardous decomposition products	HYDROGEN CYANIDE GAS may be formed by thermal decomposition at 160°F (71.1°C) or higher, or by contact with alkaline substances such as soda ash & lye.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Butane	658 mg/l/4h rat
Distillates (petroleum), light hydrotreated	5.2 mg/l/4h rat
Esfenvalerate	Not available
N-Octyl bicycloheptene dicarboximide	Not available
Piperonyl butoxide	Not available
Propane	658 mg/l/4h rat
Pyrethrin	3.4 mg/l/4h rat
Pyriproxyfen	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Butane	Not available
Distillates (petroleum), light hydrotreated	5000 mg/kg rat
Esfenvalerate	325 mg/kg rat
N-Octyl bicycloheptene dicarboximide	2800 mg/kg rat
Piperonyl butoxide	2600 mg/kg mouse; 6150 mg/kg rat; 2650 mg/kg rabbit
Propane	Not available
Pyrethrin	200 mg/kg rat; 273 mg/kg mouse
Pyriproxyfen	2000.0001 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Sensitization

Non-hazardous by OSHA criteria.

Chronic effects

Non-hazardous by OSHA criteria.

Carcinogenicity

See below.

ACGIH - Threshold Limit Values - Carcinogens

Pyrethrin	8003-34-7	A4 - Not Classifiable as a Human Carcinogen
-----------	-----------	---

IARC - Group 3 (Not Classifiable)

Esfenvalerate	66230-04-4	Monograph 53 [1991] (listed under Fenvalerate)
Piperonyl butoxide	51-03-6	Supplement 7 [1987], Monograph 30 [1983]

Mutagenicity

Non-hazardous by OSHA criteria.

Reproductive effects

Contains a potential reproductive toxin.

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

Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 1740 mg/L [static]
Pyrethrin	8003-34-7	96 Hr LC50 Oncorhynchus mykiss: 54 mg/L; 96 Hr LC50 Lepomis macrochirus: 0.058 mg/L [static]

Ecotoxicity - Water Flea Data

Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 Den-dronereides heteropoda: 4720 mg/L
---	------------	--

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

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

U.S. Department of Transportation (DOT)

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D

Additional information:

Packaging exceptions	156, 306
-----------------------------	----------

IATA/ICAO (Air)

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	9
UN number	8000

Additional information:

Maximum net quantity packaging	25 Kg G
---------------------------------------	---------



15. Regulatory Information

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. EPA Registration No. 1021-1674-2517

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
--------------------	---------	--------------------------------

U.S. - CWA (Clean Water Act) - Hazardous Substances

Pyrethrin	8003-34-7	Present (Listed under "Pyrethrin")
-----------	-----------	------------------------------------

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 - Yes Pressure Hazard - Yes 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

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

Butane	106-97-8	Present
Pyrethrin	8003-34-7	Present

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

Pyrethrin	8003-34-7	1 Lb final RQ; 0.454 kg final RQ
-----------	-----------	----------------------------------

U.S. - Massachusetts - Right To Know List

Butane	106-97-8	Present
Propane	74-98-6	Present
Pyrethrin	8003-34-7	Present

U.S. - Minnesota - Hazardous Substance List

Butane	106-97-8	Present
Propane	74-98-6	Simple asphyxiant
Pyrethrin	8003-34-7	Present

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

Butane	106-97-8	sn 0273
N-Octyl bicycloheptene dicarboximide	113-48-4	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 3732
Propane	74-98-6	sn 1594
Pyrethrin	8003-34-7	sn 1623
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)

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

Butane	106-97-8	Present
Propane	74-98-6	Present
Pyrethrin	8003-34-7	Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Butane	106-97-8	Toxic; Flammable
Propane	74-98-6	Toxic; Flammable
Pyrethrin	8003-34-7	Toxic

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)

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.

Issue date

05-Dec-2008

Effective date

30-Nov-2008

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021