

1. IDENTIFICATION

Trade Name: Sumithrin Tetramethrin Nylar Household Spray
Product identifier: see EPA registration number
Synonym: BU8
Brand Names: Sentry, PetArmor
EPA Registration #: 1021-1622

Manufacturer: The Perrigo Company
 515 Eastern Avenue
 Allegan, MI 49010 USA
 Tel: 269-673-8451
 Email SDSRequest@Perrigo.com

Manufacturing Site: Sergeant's Pet Care Products, Inc.
 10077 South 134th Street
 Omaha, NE 68138 USA

Emergency phone numbers

First aid or Spill: 888-464-2986 (U.S. calls)
 +1 760-476-3962 Code 333304 (International calls)
 Pet emergency/
 Adverse event report: 1-800-781-4738

Recommended use: Kills fleas, ticks, flea eggs & flea larvae

Restrictions on use: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For Indoor Use only.

2. HAZARD(S) IDENTIFICATION

Classification:

| Physical | Health |
|------------------------------------|---------------|
| Gas Under Pressure: Compressed Gas | Not Hazardous |

Label Elements:

Warning!



Hazard statement(s)

Contains gas under pressure; may explode if heated.

Precautionary statement(s)

Keep away from heat, sparks, open flames and hot surfaces.
 No smoking.
 Do not pierce or burn, even after use.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Concentration |
|---|-------------------|---------------|
| Tetramethrin | 7696-12-0 | 0.4% |
| Sumithrin® (d-Phenothrin) | 26002-80-2 | 0.3% |
| Nylar® (Pyriproxyfen) | 95737-68-1 | 0.015% |
| Petroleum Distillates, hydrotreated light | 64742-47-8 | <10% |
| Propane/Isobutane Propellant | 74-98-6 / 75-28-5 | <20% |

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: Wash skin with soap and water. If irritation persists, get medical attention. Remove and contaminated clothing and launder it before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids for several minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye and skin irritation. Ingestion may cause intestinal upset with nausea and vomiting and nervous system effects such as drowsiness, dizziness, tremors, nausea, vomiting, and muscle weakness.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water fog or spray, carbon dioxide, dry chemical or foam.

Specific hazards arising from the chemical: Pressurized container may explode if heated. Vapors and propellant may collect in low areas.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water. Use shielding to protect from bursting cans.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Eliminate all ignition sources and ventilate the area.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Place leaking can in a well-ventilated area in a pail or other open container until the pressure has been released. Absorb liquid with an inert material. Collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye and skin contact. Avoid breathing spray. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Keep product away from heat, sparks and all other sources of ignition. Do not smoke while using. Do not spray product near fire or heat or onto hot surfaces. Do not leave the can in direct sunlight. Do not puncture or incinerate container, even when empty.

Conditions for safe storage, including any incompatibilities: Do not contaminate water, food, or feed by storage and disposal. **Pesticide Storage:** Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

Do not expose to temperatures above 50°C. Protect containers from physical damage. Store out of direct sunlight. Store away from oxidizers. Level 1 Aerosol (NFPA 30B).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

| | |
|---|---|
| Tetramethrin | None Established |
| Sumithrin® (d-Phenothrin) | None Established |
| Nylar® (Pyriproxyfen) | None Established |
| Petroleum Distillates, hydrotreated light | 152 ppm / 1200 mg/m ³ TWA manufacturer recommended |
| Propane/Isobutane Propellant | 1000 ppm TWA OSHA PEL 1000 ppm STEL ACGIH TLV |

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are exceeded or irritation is experienced, a NIOSH approved organic vapor with a particulate pre-filter or supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Impervious gloves recommended.

Eye protection: Chemical safety goggles recommended if needed to avoid eye contact.

Other: Protective clothing as needed to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Light yellow liquid in an aerosol container.

Odor: Slight solvent odor

| | |
|--|--|
| Odor threshold: Not determined | pH: 4.5-6.0 |
| Melting point/freezing point: Not determined | Boiling Point: Not determined |
| Flash point: >93.3°C / 200°F (estimate) | Evaporation rate: Not determined |
| Flammability (solid, gas): Non-flammable aerosol. | VOC: <23% |
| Flammable limits: LEL: Not determined | UEL: Not determined |
| Vapor pressure: Not determined | Vapor density: Heavier than air |
| Relative density: 0.98 (liquid) | Solubility(ies): Partly soluble in water |
| Partition coefficient: n-octanol/water: Not available | Auto-ignition temperature: Not available |
| Decomposition temperature: Not available | Viscosity: 2250 cPs@22°C |
| Aerosol Classification 16CFR 1500.45: Not flammable | UN/GHS Ignition Distance Test: <15 cm UN/GHS Enclosed Space Ignition Test: teq >300 s/m ³ , Ddef >300 g/m ³ |

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid heat, sparks, flames, and all other sources of ignition. Pressurized container – protect from sunlight and heat.

Incompatible materials: Avoid oxidizing agents, acids and bases.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of spray or vapors may cause irritation of the mucous membranes and upper respiratory tract and central nervous system effects such as dizziness, nausea, vomiting, tremor, drowsiness and headache.

Ingestion: Swallowing may cause gastrointestinal irritation and nervous system effects such as drowsiness, dizziness, tremors, nausea, vomiting, and muscle weakness.

Skin contact: Slightly irritating to skin. Slight skin irritant in rabbits – cleared in 3 days. Skin irritation index = 0.71.

Eye contact: Contact may cause discomfort. Irritation in rabbit eyes, clearing in 24 hours.

Chronic Effects: None known.

Sensitization: Negative for skin sensitization in guinea pigs.

Germ Cell Mutagenicity: No adverse effects are expected. Components are not germ cell mutagens.

Reproductive Toxicity: No adverse effects are expected. Components are not reproductive toxins.

Carcinogenicity: None of the components are listed as carcinogens by IARC, NTP or OSHA. Tetramethrin caused species-specific tumors in a study with rats but not considered relevant to humans.

Product Acute Toxicity Values:

LD50 oral rat >5000 mg/kg

LD50 dermal rabbit >2000 mg/kg

LC50 inhalation rat >5.41 mg/L/4 hr.

12. ECOLOGICAL INFORMATION

Ecotoxicity values: This product is classified as very toxic to aquatic organisms with long lasting effects.

Nylar® (Pyriproxyfen): LC50 daphnia carinata 0.08 mg/L/48 hr

Tetramethrin: LC50 oncorhynchus mykiss 0.0037 mg/L/96 hr; LC50 danio rerio 0.033 mg/L/96 hr, EC50 daphnia magna 0.11 mg/L/48 hr.

Persistence and degradability: No data is available

Bioaccumulative potential: Tetramethrin has a log Pow of 4.58

Mobility in soil: No data is available.

Other adverse effects: None known.

Environmental hazards (EPA):

This pesticide is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Do not contaminate water when disposing of aerosol container. See Directions for Use for additional precautions and requirements.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. **Pesticide Disposal and Container Handling:** Do Not Puncture or Incinerate! Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

14. TRANSPORT INFORMATION

| | UN Number | Proper shipping name | Hazard Class | Packing Group | Environmental Hazard |
|-------------|-----------|----------------------|--------------|---------------|----------------------|
| DOT | UN1950 | Aerosols | 2.2 | None | No |
| TDG | UN1950 | Aerosols | 2.2 | None | No |
| IMDG | UN1950 | Aerosols | 2.2 | None | Marine Pollutant |
| IATA | UN1950 | Aerosols | 2.2 | None | No |

Note: This product may be eligible for transport as a Limited Quantity or Consumer Commodity.

Note: This product is classified as a Marine Pollutant (Environmentally Hazardous Substance) in accordance with the IMDG Code and the UN Model Regulations. However, it is packaged in either single packages or inner packagings in combination packages containing net quantities of less than 5 kg/5 L (IMDG Code 2.10.2.7; ICAO Special Instruction A197, 49CFR 171.4(c)(2)) so the marine pollutant requirements are not applicable. Shipment may be regulated additionally as a Marine Pollutant if contents are removed from inner packaging and combined into containers exceeding 5 L or 5 kg.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling: CAUTION

KEEP OUT OF REACH OF CHILDREN.

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Sudden Release of Pressure.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

Tetramethrin 7696-12-0 0.4%
d-Phenothrin 26002-80-2 0.3%

EPA TSCA Inventory: This product is a pesticide and not subject to TSCA.

CANADA:

Canadian CEPA: This product is a pest control product and not subject to CEPA regulations.

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 4 Instability = 0
HMIS Rating: Health = 1 Flammability = 2 Physical Hazard = 0

SDS Revision History: New SDS

Date of preparation: August 29, 2016

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).