

1. IDENTIFICATION

Trade Name: Flea Free Breeze Home Spray
Product identifier: see EPA registration number
Synonym: KR5, XG8, XG9
Brand Names: Sentry, Sergeant's
EPA Registration #: 53883-287-2517

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 and flea larvae

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

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Skin Sensitizer Category 1 Carcinogen Category 2

Label Elements: Warning!



Hazard statement(s)

May cause an allergic skin reaction.
 Suspected of causing cancer.

Precautionary statement(s)

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Avoid breathing spray.

Precautionary statement(s)

Contaminated clothing must not be allowed out of the workplace.
 Wear protective clothing and gloves.
 IF on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
 IF exposed or concerned: Get medical attention.
 Store locked up.
 Dispose in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
N-Octyl bicycloheptene dicarboximide	113-48-4	1.0%
Permethrin	52645-53-1	0.2%
Pyriproxyfen	95737-68-1	0.02%
Dipropylene Glycol Methyl Ether	34590-94-8	<10%
Coconut diethanolamide	68603-42-9	<1%

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. May cause skin sensitization (allergic reaction). Ingestion may cause intestinal upset with nausea and vomiting and nervous system effects. Suspected of causing cancer.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use any media suitable for the surrounding fire.

Specific hazards arising from the chemical: None known.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8.

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: 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.

Conditions for safe storage, including any incompatibilities: Do not contaminate water, food or feed by storage or disposal. PESTICIDE STORAGE: Store in a cool, dry place. Always store pesticides in the original container. Store away from food and pet food. Store this product in an area inaccessible to children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

N-Octyl bicycloheptene dicarboximide	None Established
Permethrin	Perrigo OEB3 (10-100 ug/m3) TWA
Pyriproxyfen	None Established
Dipropylene Glycol Methyl Ether	100 ppm TWA OSHA PEL 100 ppm TWA 150 ppm STEL ACGIH TLV
Coconut diethanolamide	None Established

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 for bulk processing.

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
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Appearance (physical state, color, etc.): White liquid.

Odor: Characteristic odor

Odor threshold: Not determined	pH: 6.7
Melting point/freezing point: Not determined	Boiling Point: Not determined
Flash point: >93.3°C / 200°F	Evaporation rate: Not determined
Flammability (solid, gas): Not applicable	VOC: Not determined
Flammable limits: LEL: Not determined	UEL: Not determined
Vapor pressure: Not determined	Vapor density: Not determined
Relative density: 1.005	Solubility(ies): Soluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known

Incompatible materials: None known.

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, drowsiness and headache.

Ingestion: Swallowing may cause gastrointestinal irritation and nervous system effects such as drowsiness and dizziness.

Skin contact: May be irritating to skin. Repeated skin contact may cause allergic skin reaction.

Eye contact: Contact may cause discomfort.

Chronic Effects: None known.

Sensitization: Permethrin is a skin sensitizer.

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: Coconut Diethanolamide is classified by IARC as a group 2B carcinogen and is classified as category 2 carcinogen under the GHS. None of the other components are listed as carcinogens or suspected carcinogens by IARC, NTP, or OSHA.

Product Acute Toxicity Values:

N-Octyl bicycloheptene dicarboximide: LD50 oral rat 2800 mg/kg, LD50 dermal rat 470 mg/kg.

Permethrin: LD50 oral rat 430-4000 mg/kg; LD50 dermal rat >2000 mg/kg

Pyriproxyfen: LD50 oral rat >5000 mg/kg

Dipropylene Glycol Methyl Ether: LD50 oral rat >5000 mg/kg; LD50 dermal rabbit >2000 mg/kg; LC50 inhalation >1.7 mg/L/7 hr

12. ECOLOGICAL INFORMATION

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

Permethrin: LC50 *Orconectes immunis* (Crayfish) 0.00031 mg/L/48 hr; LC50 *pimephales promelas* 0.003 mg/L/96 hr. Classified as Acute/Chronic Aquatic Toxicity Category 1 (M=1000)

Pyriproxyfen: LC50 *daphnia carinata sensu lato* 0.08 mg/L/48 hr.

N-Octyl bicycloheptene dicarboximide: EC50 *daphnia magna* 2.3 mg/L/48 hr; LC50 rainbow trout 1.4 mg/L/96 hr

Persistence and degradability: N-Octyl bicycloheptene dicarboximide is not readily biodegradable. The biodegradation half-life of permethrin in a sediment-seawater solution was less than 2.5 days.

Bioaccumulative potential: An estimated BCF of 130 for N-Octyl bicycloheptene dicarboximide suggests the potential for bioconcentration in aquatic organisms is high. BCF values for rainbow trout and sheepshead minnow of approx 560 and 480, respectively, suggest bioconcentration of permethrin in aquatic organisms is high.

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. **Pesticide Disposal and Container**

Handling: Non-refillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partially filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated			
TDG	None	Not Regulated			
IMDG	None	Not Regulated			
IATA	None	Not Regulated			

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)). Shipment may be regulated 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: WARNING
KEEP OUT OF REACH OF CHILDREN.

Causes skin irritation and substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Wear face shield or goggles. Prolonged or frequently repeated exposure may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

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): Acute Health, Chronic Health.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
Permethrin 0.2%

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 = 2 Flammability = 0 Instability = 0
HMIS Rating: Health = 2* Flammability = 0 Physical Hazard = 0

SDS Revision History: Updated Section 1

Date of preparation: March 15, 2017

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).