

## 1. IDENTIFICATION

**Trade Name:** Deltamethrin Flea & Tick Collar for Dogs  
**Product identifier:** see EPA registration number  
**Synonym:** JB2, BA8, BB9, BC1, BC2  
**Brand Names:** Sergeant's, Sentry, PetArmor  
**EPA Registration #:** 2517-166

**Manufacturer:** The Perrigo Company  
 515 Eastern Avenue  
 Allegan, MI 49010 USA  
 Tel: 269-673-8451  
 Email [SDSRequest@Perrigo.com](mailto: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:** Flea collar for dogs  
**Restrictions on use:** Use only as directed.

## 2. HAZARD(S) IDENTIFICATION

### Classification:

Physical	Health
Not hazardous	Acute Oral Toxicity Category 3

**Label Elements:**  
**Danger!**



### Hazard statement(s)

Toxic if swallowed.  
**Precautionary statement(s)**  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.

### Precautionary statement(s)

If swallowed: Immediately call a poison center or doctor.  
 Rinse mouth.  
 Store locked up.  
 Dispose in accordance with local and national regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Deltamethrin	52918-63-5	4%
Other Non-Hazardous Ingredients	Mixture	96%

### 4. FIRST-AID MEASURES

**Inhalation:** No first aid required. Not a route of exposure.

**Skin contact:** First aid is not required. Wash hands with soap and water after handling. If irritation develops and persists, get medical attention.

**Eye contact:** Immediately flush eyes for several minutes with water while lifting the upper and lower lids. 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 IMMEDIATE medical attention.

**Most important symptoms/effects, acute and delayed:** May cause mild eye and skin irritation. Toxic if swallowed. Ingestion may cause nausea and vomiting. Occupational exposure to deltamethrin has caused numbness and tingling of the skin and face.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is recommended for ingestion.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use water spray or fog, CO<sub>2</sub>, dry chemical or foam.

**Specific hazards arising from the chemical:** Product is not flammable or combustible but will burn in a fire. In bulk processing operations, dust that may be generated may present a dust explosion hazard.

**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. If large amounts of dust are present, eliminate all ignition sources.

**Environmental Precautions:** This product is highly toxic to aquatic life. 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:** Pick up collars and place in a container for disposal. Carefully wipe up any dust from surfaces. Clean area thoroughly. If large amounts of dust are present, carefully scoop or sweep up while avoiding the generation of airborne dust. Do not use vacuum unless explosion-proof.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid the generation of dust in handling. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when handling this material. Do not open protective package until ready to use. Do not let children play with this collar. This collar is intended for use only as an insecticide and is not to be taken internally by humans or animals.

**Conditions for safe storage, including any incompatibilities:** Store as indicated on product packaging. Store this product in a cool, dry place away from children and pets.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Deltamethrin	Perrigo OEB4 (1->10 ug/m3)
Other Non-Hazardous Ingredients	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 limits are exceeded, a NIOSH approved pesticide 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 for bulk processing.

**Other:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Brown, tan or rust colored solid plastic collar

**Odor:** vanilla

<b>Odor threshold:</b> Not determined	<b>pH:</b> Not applicable
<b>Melting point/freezing point:</b> Not determined	<b>Boiling Point:</b> Not applicable
<b>Flash point:</b> Not applicable	<b>Evaporation rate:</b> Not applicable
<b>Flammability (solid, gas):</b> Not flammable	<b>VOC:</b> Not determined
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> Not applicable	<b>Vapor density:</b> Not applicable
<b>Relative density:</b> 1.2455 g/cc	<b>Solubility(ies):</b> Not determined
<b>Partition coefficient: n-octanol/water:</b> Not available	<b>Auto-ignition temperature:</b> Not available
<b>Decomposition temperature:</b> Not available	<b>Viscosity:</b> Not applicable

## 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:** Avoid oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon, nitrogen and phosphorus oxides and chlorine compounds.

**11. TOXICOLOGICAL INFORMATION**

**Acute effects of exposure:**

**Inhalation:** Not normally a route of exposure. If dust is present, it may be irritating to the respiratory tract.

**Ingestion:** Toxic if swallowed. Swallowing may cause nausea and vomiting.

**Skin contact:** No adverse effects are expected. Minor irritation is possible.

**Eye contact:** Contact may cause irritation with redness and tearing.

**Chronic Effects:** None known.

**Sensitization:** Components are not known to be sensitizers.

**Germ Cell Mutagenicity:** Components are not germ cell mutagens. Deltamethrin was negative in the Ames test, chromosome aberration assay, the mouse lymphoma assay and a dominant lethal test.

**Reproductive Toxicity:** Ingredients are not reproductive toxins. Deltamethrin was administered to mice and rats orally at doses up to 12 mg/kg/day in rats and 5 mg/kg/day in mice and no effects on reproduction or development were observed. Deltamethrin was not teratogenic in mice or rats. In mice a slight retardation in development was noted and a slight delay in ossification was observed in rats.

**Carcinogenicity:** Deltamethrin was not carcinogenic in rats or mice. None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

**Acute Toxicity Values:** Acute toxicity estimate (ATE) calculated: Oral 128 mg/kg; Dermal >2000 mg/kg; Inhalation 14.9 mg/L

Deltamethrin: LD50 oral rat 5.1 mg/kg; LD50 dermal rabbit >2000 mg/kg; LC50 inhalation rat 0.6 mg/L

**12. ECOLOGICAL INFORMATION**

This product is very toxic to aquatic life with long lasting effects. Avoid release to the environment.

**Ecotoxicity values:** Deltamethrin: LC50 fish (oncorhynchus mykiss) 0.0007 mg/L/96 hr; EC50 daphnia magna 0.000029 mg/L/48 hr.

**Persistence and degradability:** No data is available

**Bioaccumulative potential:** No data is available

**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. Do not reuse container or used collar.

Dispose of in trash.

**14. TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT</b>	UN2811	Toxic solid, organic, n.o.s. (deltramethrin)	6.1	III	No
<b>TDG</b>	UN2811	Toxic solid, organic, n.o.s. (deltramethrin)	6.1	III	No
<b>IMDG</b>	UN2811	Toxic solid, organic, n.o.s. (deltramethrin)	6.1	III	Marine Pollutant
<b>IATA</b>	UN2811	Toxic solid, organic, n.o.s. (deltramethrin)	6.1	III	No

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 provisions related to Marine Pollutants do not apply. Shipment may be additionally 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: CAUTION**

Do not open protective package until ready to use. Do not let children play with this collar. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. 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

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
None

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

**SDS Revision History:** New SDS

**Date of Preparation:** May 1, 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).