



## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Trade Name:** Etofenprox Nylar Flea & Tick Squeeze-On for Small Dogs and Puppies  
**Product identifier:** see EPA registration number  
**Synonym:** JF5  
**Brand Names:** Sentry  
**EPA Registration #:** 2517-133

**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 134<sup>th</sup> 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 and tick treatment for cats and dogs

**Restrictions on use:** Use only as directed.

### 2. HAZARD(S) IDENTIFICATION

**Classification:**

Physical	Health
Flammable Liquid Category 4	Not Hazardous

**Label Elements:**

**Warning**

**Hazard statement(s)**

Combustible Liquid.

**Precautionary statement(s)**

Wear protective gloves.

**Precautionary statement(s)**

Keep away from flames and hot surfaces. No smoking.

In case of fire: Use water spray, carbon dioxide or alcohol-resistant foam to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose in accordance with local and national regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Etofenprox	80844-07-1	55%
Pyriproxyfen	95737-68-1	2.2%

Diethylene Glycol Monoethyl Ether (DEGEE)	111-90-0	30-40%
Non-Hazardous and other ingredients below the disclosure limits	Mixture	Balance

**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 hands with soap and water after handling. If irritation develops and persists, get medical attention.

**Eye contact:** Immediately flush eyes 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 medical attention.

**Most important symptoms/effects, acute and delayed:** May cause mild eye, skin and respiratory irritation.

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

#### 5. FIRE-FIGHTING MEASURES

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

**Specific hazards arising from the chemical:** Combustible liquid and vapor. Vapors may be explosive in confined areas. Vapors will 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.

#### 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:** This product is very 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:** Contain and collect with an inert absorbent material. Place in appropriate container for disposal. Clean area thoroughly.

#### 7. HANDLING AND STORAGE

**Precautions for safe 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. Avoid breathing vapors or mists. Use with adequate ventilation. Remove contaminated clothing and launder before re-use. Keep product away from heat and open flames.

**Conditions for safe storage, including any incompatibilities:** Store as indicated on product packaging.  
**PESTICIDE STORAGE:** Do not remove tube from the pack until ready to use. Store in a cool (below 77°F/25°C) dry place out of reach of children. Do not refrigerate. Protect from direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Etofenprox	None Established
Pyriproxyfen	None Established
Diethylene Glycol Monoethyl Ether	25 ppm TWA AIHA WEEL

**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.):** Pale yellow liquid

**Odor:** Characteristic

<b>Odor threshold:</b> Not determined	<b>pH:</b> Not applicable
<b>Melting point/freezing point:</b> Not determined	<b>Boiling Point:</b> Not determined
<b>Flash point:</b> 91°C / 196°F (DEGEE)	<b>Evaporation rate:</b> Not determined
<b>Flammability (solid, gas):</b> Not applicable	<b>VOC:</b> 0% (DEGEE is LVP-VOC)
<b>Flammable limits: LEL:</b> 1.2% (DEGEE)	<b>UEL:</b> 23.5% (DEGEE)
<b>Vapor pressure:</b> 0.09 mmHg @20°C (DEGEE)	<b>Vapor density:</b> >1 (air=1)
<b>Relative density:</b> 1.010-1.060	<b>Solubility(ies):</b> Soluble in water
<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 available

## 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, strong acids and strong bases.

**Hazardous decomposition products:** Thermal decomposition may yield carbon and nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects of exposure:

**Inhalation:** Inhalation of mists or aerosols may cause mild respiratory irritation.

**Ingestion:** Swallowing may cause may gastrointestinal upset.

**Skin contact:** May cause mild irritation.

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

**Chronic Effects:** None known.

**Sensitization:** Components are not skin sensitizers.

**Germ Cell Mutagenicity:** Components are not germ cell mutagens. Etofenprox does not produce gene mutations in bacterial or mammalian cells in vitro.

**Reproductive Toxicity:** Ingredients are not reproductive toxins. The results of reproductive toxicity testing for etofenprox are not considered to be of concern.

**Carcinogenicity:** None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA. Pyriproxyfen did not cause cancer in long-term studies in mice, rats and dogs.

**Acute Toxicity Values:**

Etofenprox: LD50 oral rat >42,800 mg/kg; LD50 dermal rat >2140 mg/kg, LC50 inhalation rat >5.9 mg/L/4 hr.

Pyriproxyfen: LD50 oral rat >5000 mg/kg; LD50 dermal rabbit >2000 mg/kg

Diethylene Glycol Monoethyl Ether: LD50 oral rat 6031 mg/kg; LD50 dermal rabbit 9143 mg/kg

<b>12. ECOLOGICAL INFORMATION</b>
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This product is very toxic to aquatic life with long lasting effects. Avoid release to the environment.

**Ecotoxicity values:**

Etofenprox: LC50 oncorhynchus mykiss 0.0027 mg/L/96 hr; NOEC oncorhynchus mykiss 0.0032 mg/L/21 d.;

EC50 daphnia magna 0.0012 mg/L/48 hr, NOEC 0.000054 mg/L/21 d; ErC50 algae >0.056 mg/L/72 hr.

Classified as Acute Aquatic Toxicity Category 1 (M=100), Chronic Aquatic Toxicity Category 1 (M=1000)

Pyriproxyfen: LC50 daphnia carinata 0.08 mg/L/48 hr

**Persistence and degradability:** Etofenprox is not readily biodegradable.

**Bioaccumulative potential:** Etofenprox has the potential for bioaccumulation.

**Mobility in soil:** No data is available.

**Other adverse effects:** None known.

<b>13. DISPOSAL CONSIDERATIONS</b>
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Dispose in accordance with all local, state and federal regulations. PESTICIDE DISPOSAL AND CONTAINER HANDLING: If empty: Non-refillable 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. Never place unused product down any indoor or outdoor drain.

<b>14. TRANSPORT INFORMATION</b>
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	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT</b>		Not Regulated in non-bulk packages			
<b>TDG</b>		Not Regulated			
<b>IMDG</b>	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Etofenprox)	9	III	Marine Pollutant
<b>IATA</b>	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Etofenprox)	9	III	Yes

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). 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:**

**HAZARDS TO HUMANS. CAUTION.** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. **KEEP OUT OF REACH OF CHILDREN**

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

**CERCLA:** This product is not subject to 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):** Fire Hazard

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
Diethylene glycol monoethyl ether (glycol ether) 30-40%

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

**SDS Revision History:** New SDS

**Date of Preparation:** November 30, 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).