

# SAFETY DATA SHEET

EMERGENCY CALL: 1-844-685-9173 (SafetyCall)



## 1. IDENTIFICATION

**PRODUCT NAME:** Promika ZoGuard Plus for Dogs

**DESCRIPTION:** A spot-on liquid insecticide for dogs

**EPA Reg. No.:** 91300-5

**COMPANY IDENTIFICATION:**

**Promika, LLC**

5000 CentreGreen Way, Suite 100

Cary, NC 27513

## 2. HAZARD IDENTIFICATION

### WARNING

Causes serious eye irritation (H319)

Harmful if swallowed (H302)

Causes mild skin irritation (H316)

Very toxic to aquatic life (H400)

Combustible liquid (H227)



### HAZARD CLASSIFICATION

Health Hazard	Category	Environmental Hazard	Category
Acute Toxicity, Oral	4	Hazardous to Aquatic Environment, Acute	2
Eye Irritation	2A	<b>Other Hazards</b>	
Skin Irritation	3	Combustible Liquid	4

### PRECAUTIONARY STATEMENTS

Wear eye protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. (P280+P264+P270)

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention. (P305+P351+P338+P337+P313)

If swallowed: Call a poison control center or doctor if you feel unwell. Rinse mouth. (P301+P312+P330)

If skin irritation occurs: Get medical advice / attention. (P332+P313)

Keep away from flames and hot surfaces. No smoking. (P210)

In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish. (P370+P378)

Avoid release to the environment. Collect spillage. (P273+P391)

Store in a well-ventilated place and keep cool. (P403 + P235)

Dispose of contents / container in accordance with local / regional / national / international regulations. Refer to the product label for specific disposal instructions. (P501)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Fipronil	5-amino-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile	120068-37-3	9.8%
S-methoprene	isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-16-6	8.8%

## 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, you may contact SafetyCall at 1-844-685-9173 seven days a week, 24-hours a day.

**IF IN EYES:** 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. If eye irritation persists: Get medical attention/advice.

**IF SWALLOWED:** Immediately call a doctor or poison control center for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation persists: Get medical attention/advice.

## 5. FIREFIGHTING MEASURES

**Flash Point (closed cup):** 90.6°C (195°F)

**Fire and Explosion Hazards:** Combustible liquid. In case of fire, oxides of carbon and nitrogen can be released.

**Extinguishing Medium:** Water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**NFPA Ratings:** Health – 1 / Flammability – 2 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as sand, cat litter, commercial clay, gel or similar absorbents. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

## 7. HANDLING AND STORAGE

**Handling:** 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.

**Storage:** Do not remove applicator from the pack until ready to use. Store in a cool (below 77°F/25°C) dry place inaccessible to children and pets. Do not refrigerate. Protect from direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** When cleaning up spills wear long-sleeved shirts, long pants, shoes plus socks, and waterproof gloves.

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove and wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	light yellow clear liquid	<b>pH:</b>	7.6 (1% w/w, 25°C)
<b>Odor:</b>	odorless	<b>Kinematic viscosity:</b>	not available
<b>Melting/freezing point:</b>	not available	<b>Solubility:</b>	Forms milky white precipitate in water
<b>Boiling point/Boiling Range:</b>	not available	<b>Partition coefficient:</b>	not available
<b>Flammability:</b>	not available	<b>Vapor pressure:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available	<b>Density:</b>	1.04 g/cm <sup>3</sup>
<b>Flash point:</b>	90.6°C (195°F)	<b>Relative vapor density:</b>	not available
<b>Auto-ignition temperature:</b>	not available	<b>Particle characteristics:</b>	not available
<b>Decomposition temperature:</b>	not available		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** All sources of ignition: heat, sparks, open flame.

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. In case of fire, oxides of carbon and nitrogen can be released.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (LD<sub>50</sub>):** 750 mg/kg

**DERMAL TOXICITY (LD<sub>50</sub>):** > 5,000 mg/kg

**INHALATION TOXICITY (LC<sub>50</sub>):** Information not available

**EYE IRRITATION:** Moderately irritating

**SKIN IRRITATION:** Moderately irritating

**SKIN SENSITIZATION:** Guinea pig – Not a contact sensitizer

**CARCINOGENICITY:**

**EPA:** Group C (fipronil)

**ACGIH:** Not Listed      **NTP:** Not Listed

**IARC:** Not Listed      **OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** No evidence of reproductive toxicity in animal studies.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic organisms.

**The following information is for the active ingredient, Fipronil:**

### AQUATIC TOXICITY

Rainbow Trout (96-hour LC<sub>50</sub>): 0.248 mg/L

Bluegill (96-hour LC<sub>50</sub>): 0.085 mg/L

Daphnia (48-hour LC<sub>50</sub>): 0.19 mg/L

Algae (EC<sub>50</sub>): 0.068 mg/L

### AVIAN TOXICITY

Bobwhite Quail (LD<sub>50</sub>): 11.3 mg/kg

Mallard Duck (LD<sub>50</sub>): > 2,000 mg/kg

### OTHER TOXICITY

Highly toxic to honeybees

**The following information is for the active ingredient, s-Methoprene:**

### AQUATIC TOXICITY

Rainbow Trout (LC<sub>50</sub>): 0.76 mg/L

Bluegill (LC<sub>50</sub>): > 0.37 mg/L

Daphnia (LC<sub>50</sub>): 0.36 mg/L

Algae (EC<sub>50</sub>): 1330 mg/L

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Call your local solid waste agency for disposal instructions. Never placed unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	UN3082
<b>Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, N.O.S. (contains fipronil, S-methoprene)
<b>Transport Hazard Class:</b>	9
<b>Packing Group:</b>	III
<b>Hazard Zone:</b>	A
<b>Marine Pollutant:</b>	Yes <sup>1</sup>
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Class 9 Environmentally Hazardous Substance <sup>2</sup> IMDG, IATA: Class 9 Environmentally Hazardous Substance <sup>3</sup>
<b>Emergency Guide:</b>	171 (NAERG – North American Emergency Response Guide)
<b><sup>1</sup> Marine Pollutant Note:</b>	Ground-only shipments are excluded from Marine Pollutant labeling requires as per 49CFR172.101 Appendix B (4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).
<b><sup>2</sup> US-DOT Note:</b>	Not regulated for "ground only" shipments.
<b><sup>3</sup> IMDG / IATA Note:</b>	Not regulated when shipped in single or inner packaging ≤ 1.32 gal. (5 L).

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### FIFRA –

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

#### PRECAUTIONARY STATEMENT

**HAZARDS TO HUMANS. CAUTION.** Harmful if swallowed. 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.

**HAZARDS TO DOMESTIC ANIMALS:** For external use on dogs only. Individual sensitivities may occur after using any pesticide product on dogs. Certain medications can interact with pesticides. Do not treat your dog with more than one pesticide product at a time. Over dosing your dog can result in serious illness and even death. Consult a veterinarian before using on medicated, debilitated, aged, pregnant or nursing dogs. Consult a veterinarian before using on dogs with known organ dysfunction. If your dog is exhibiting signs of and/or is being treated for skin dermatitis, talk to your veterinarian before applying any topical flea and tick control product.

## 15. REGULATORY INFORMATION (CONT.)

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### **SARA Title III – Section 302 Extremely Hazardous Substances**

Not listed

### **SARA Title III – Section 311/312 Hazard Categories**

Immediate

### **SARA Title III – Section 312 Threshold Planning Quantity**

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

### **SARA Title III – Section 313 Reportable Ingredients**

None

### **CERCLA Reportable Quantity (RQ) –**

None

### **CALIFORNIA PROP 65 STATUS –**

This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

### **CANADA –**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Promika, LLC nor Seller be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

SDS Version: 1.2

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