

# SHIELDTEC<sup>®</sup> FOR PLUS DOGS

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SHIELDTEC<sup>®</sup> PLUS FOR DOGS  
**PRODUCT DESCRIPTION:** A liquid insecticide  
**EPA REGISTRATION NUMBER:** 91300-1  
**COMPANY IDENTIFICATION:** **Promika, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513  
**COMPANY PHONE NUMBER:** (984) 465-4754  
**EMERGENCY PHONE NUMBER:** (844) 685-9173

### 2. HAZARDS IDENTIFICATION

#### WARNING

Causes Eye Irritation (H320)  
Harmful if Swallowed (H302)  
Very Toxic to Aquatic Life (H400)



#### HAZARD CLASSIFICATION

**Health Hazard** Category 2B  
Eye Damage / Irritation 4  
**Other Hazards** Category 1  
Hazard to the Aquatic Environment, Acute

#### PRECAUTIONARY STATEMENTS

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 attention.  
(P305+P351+P338+P337+P313)

**IF SWALLOWED:** Call a poison control center or doctor if you feel unwell. Rinse mouth. (P301+P312+P330)  
Avoid release to the environment. Collect spillage.  
(P273+ P391)

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	CAS #	Composition
Permethrin	3-(phenoxyphenyl)methyl(±)-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	52645-53-1	45%
Pyriproxyfen	2-[1-methyl-2(4-phenoxyphenoxy)ethoxy]pyridine	95737-68-1	5%
D-Limonene	(R)-1-methyl-4-(1-methylethenyl)-cyclohexene((R)-(+)-limonene)	5989-27-5	31%

### 4. FIRST AID MEASURES

FIRST AID	
<b>IF SWALLOWED:</b>	Immediately call a poison control center or doctor. 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.
<b>IF IN EYES:</b>	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 eye. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call 1-844-685-9173.	

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (PMCC):** > 200°F (> 93.3°C)

**FLAMMABLE LIMITS (LFL-UFL):** Not determined

**FIRE & EXPLOSION HAZARDS:** Full containers that are overheated and vapors that form inside empty containers may present an explosion hazard in a fire. Thermal decomposition will release irritating gases and fumes (see Section 10).

**EXTINGUISHING MEDIUM:** Foam, CO<sub>2</sub> or dry chemical

**FIRE FIGHTING EQUIPMENT:** Fire fighters 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/fire fighting 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 – 2 / Flammability – 1 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this SDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

Absorb small spills with dry material and discard in a disposal container. Stop the leak, if possible. Ventilate the space involved. Construct a dike to prevent spreading and prevent waterway contamination. Collect run-off water and transfer to drums or tanks for later disposal.

For spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. Place in containers for recovery or disposal. Remove from spill location. Flush area with water spray, and collect rinsate. If disposal is required, refer to Section 13 of this MSDS for instructions.

## 7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Handle and open container in a manner that prevents spillage.

DO NOT USE ON CATS or animals other than dogs. May be toxic and potentially fatal if applied to or ingested by cats.

Do not use or store near heat or open flame. Protect from freezing. Store in original container and out of reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

**PROTECTIVE CLOTHING:** Chemical resistant gloves (Category A), protective eyewear, long sleeved shirt and long pants and shoes plus socks.

**GENERAL:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Clear Amber Liquid
<b>ODOR:</b>	Citrus
<b>SPECIFIC GRAVITY:</b>	1.003 g/mL (8.36 lbs/gal)
<b>SOLUBILITY:</b>	N/A

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures and flames

**CHEMICAL STABILITY:** Stable but may decompose if burned

**HAZARDOUS DECOMPOSITION PRODUCTS:** None when stored and handled as prescribed. Thermal decomposition may release oxides of carbon as well as chlorine and hydrogen chloride.

**IN COMPATIBILITY WITH OTHER MATERIALS:** Strong acids and oxidizing materials

**POLYMERIZATION:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** 2,614 mg/kg (males), 1,660 mg/kg (females)

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LD<sub>50</sub>):** > 2.87 mg/L (4-hour)

**EYE IRRITATION:** Minimally irritating

**SKIN IRRITATION:** Non-irritating

**SKIN SENSITIZATION:** Not a contact sensitizer

**CARCINOGENICITY:**

**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 in animal studies

## 12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to fish. DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters.

## 13. DISPOSAL CONSIDERATIONS

**CONTAINER DISPOSAL:** Non-refillable container, do not reuse or refill this container. 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.

## 14. TRANSPORT INFORMATION

**WHEN SHIPPED IN CONTAINERS ≤ 119 GALLONS BY LAND:**

Not regulated by DOT

**WHEN SHIPPED IN CONTAINERS > 119 GALLONS OR OVER WATER OR BY AIR:**

DOT PROPER SHIPPING NAME: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (contains Permethrin), 9, PG III, Severe Marine Pollutant

DOT Emergency Response Guide: 171

Freight Class: NMFC #102120, Class 60

## 15. REGULATORY INFORMATION

**FIFRA:** All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

**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:**  
N/A

**SARA TITLE III – SECTION 313 REPORTABLE INGREDIENTS:**  
Permethrin (CAS #52645-53-1): 45%

**CERCLA:** N/A

**CALIFORNIA PROP 65 STATUS:** This product contains no chemicals known to the State of California to cause reproductive harm or cancer.

## 16. OTHER INFORMATION

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

**DISCLAIMER:**  
**THE INFORMATION IN THIS SDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT PROMIKA TO CONFIRM IF YOU HAVE THE MOST CURRENT SDS. JUDGEMENTS AS TO THE SUITABILITY OF THE INFORMATION HEREIN FOR THE INDIVIDUAL'S OWN USE OR PURPOSES IS NECESSARILY THE INDIVIDUAL'S OWN RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, PROMIKA EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS, AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE INDIVIDUAL'S PURPOSES OR THE CONSEQUENCES OF ITS USE. 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 responses 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.**

**Effective: 01.01.2020**