

# GARDATIS™ POUR-ON

## SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

### 1. IDENTIFICATION

**PRODUCT NAME:** Gardatis Pour-On  
**DESCRIPTION:** A liquid insect-repellent  
**EPA REG. NO.:** 91234-329  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### DANGER

May cause cancer (H350)  
Causes eye irritation (H320)  
Very toxic to aquatic life (H400)  
Very toxic to aquatic life with long lasting effects (H410)

#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Carcinogenicity	1B	None	--
Eye irritation	2B		
		Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute	1
		Hazardous to the Aquatic Environment – Chronic	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

None

#### PRECAUTIONARY STATEMENTS

Obtain, read and follow all safety instructions before use. Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Wear protective gloves/protective clothing/eye protection. (P203+P264+P265+P280)

**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 help. (P305+P351+P338+P337+P317)

If exposed or concerned, get medical advice. (P318)

Avoid release to the environment not in accordance with the product label. (P273)

Collect spillage. (P391)

Store locked up. (P405)

Dispose of contents / container using instructions in the product label and in accordance with local / Federal regulations. (P501)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Diffubenzuron	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	35367-38-5	3.0%
Permethrin	Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester	52645-53-1	5.0%

**NOTE:** Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information.

**Note to Physician:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

### 5. FIREFIGHTING MEASURES

**Flash Point:** >230°F; >110°C

**Flammable Limits (LFL-UFL):** Not Determined

**Fire and Explosion Hazards:** Fire may cause the release of hydrogen fluoride and hydrogen chloride gas.

**Extinguishing Medium:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**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 – 2 / Flammability – 1 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Evacuate unprotected and unnecessary personnel from area of spill. Keep people away from and upwind of spill/leak. Wear personal protective 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. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as sand or clay. 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:** Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** Store in a tightly closed container in a cool, dry place. 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 a safety shower.

**Protective Clothing:** Handlers must Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves (Barrier laminate, nitrile rubber, neoprene rubber or Viton, selection category E), and chemical-resistant apron for persons cleaning equipment, and for handlers performing animal dip applications.

**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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	opaque white liquid
<b>Odor:</b>	nearly odorless
<b>Melting / Freezing point:</b>	no data available
<b>Boiling Point / Boiling Range:</b>	no data available
<b>Flammability:</b>	>230°F; >110°C
<b>Flammability Limits (upper/lower):</b>	no data available
<b>Flash Point:</b>	no data available
<b>Auto-ignition Temperature:</b>	no data available
<b>Decomposition Temperature:</b>	no data available
<b>pH:</b>	5.5-6.5 (1% dispersion)
<b>Kinematic Viscosity:</b>	no data available
<b>Solubility:</b>	no data available
<b>Partition coefficient:</b>	no data available
<b>Vapor Pressure:</b>	no data available
<b>Density:</b>	0.84-0.96 g / cm <sup>3</sup> (7-8 lbs. / gal)
<b>Vapor Density:</b>	no data available
<b>Particle Characteristics:</b>	no data available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Do not allow product to come in contact with heat, exposure to sunlight.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**INCOMPATIBILITY WITH OTHER MATERIALS:** No statements available.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity information presented below is from testing done on an identical or substantially similar product:**

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

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 5.08 mg/L (4-hour)

**EYE IRRITATION:** Mild eye irritation (Rabbit)

**SKIN IRRITATION:** Slightly irritating (Rabbit)

**SKIN SENSITIZATION:** Does not cause skin sensitization

**CARCINOGENICITY:**

**EPA:** "Likely to be carcinogenic to humans" (permethrin)

**ACGIH:** Not listed **NTP:** Not listed

**IARC:** Group 3 (permethrin) **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 extremely toxic to aquatic organisms, including fish and invertebrates.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area.

**The following is for the active ingredient, Diflubenzuron:**

**AQUATIC TOXICITY**

Bluegill Sunfish (96-hour LC<sub>50</sub>): 129 mg/L

Sheepshead Minnow (96-hour LC<sub>50</sub>): 0.13 mg/L

Daphnia (96-hour EC<sub>50</sub>): 0.0026 mg/L

Grass Shrimp (96-hour LC<sub>50</sub>): 0.00064 mg/L

Algae (EC<sub>50</sub>): > 0.3 mg/L; 0.2 mg/L; (NOAEC): 0.2 mg/L

Fathead Minnow (NOAEC): 0.1 mg/L

Mysid Shrimp (NOAEC): 0.000045 mg/L

**AVIAN TOXICITY**

Bobwhite Quail (8-d LD<sub>50</sub>): > 4640 mg/kg

Mallard Duck (8-d LD<sub>50</sub>): > 4640 mg/kg

**HONEYBEE TOXICITY**

Honeybee (Acute Contact and Oral LD<sub>50</sub>): >30 µg/L

## 12. ECOLOGICAL INFORMATION (CONT.)

The following is for the active ingredient, Permethrin:

### AQUATIC TOXICITY

Bluegill sunfish (96-hour  $LC_{50}$ ): 0.00079 mg/L; (NOAEC): 0.000052 mg/L

Sheepshead Minnow (96-hour  $LC_{50}$ ): 0.0022 mg/L; (NOAEC): 0.000143 mg/L

Amphipod (96-hour  $LC_{50}$ ): 0.0000066 mg/L

Daphnia Magna (NOAEC): 0.000039 mg/L

Mysid Shrimp (96-hour  $EC_{50}$ ): 0.000018 mg/L; (NOAEC): 0.0000024 mg/L

Algae ( $IC_{50}$ ): 0.0044 mg/L; (NOAEC):

Duckweed ( $IC_{50}$ ): > 0.0032 mg/L; (NOAEC): 0.0032 mg/L

### AVIAN TOXICITY

Mallard Ducks (Oral  $LD_{50}$ ): >9,800 mg/kg

### OTHER TOXICITY

Bee (24-hour Oral  $LD_{50}$ ): >0.098 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

## 14. TRANSPORT INFORMATION

### US-DOT:

Not regulated

### IMDG:

Containers ≤ 1.3 gal. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (diflubenzuron, permethrin) 9, PG III, Marine Pollutant

### IATA:

Shipped by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (diflubenzuron, permethrin), 9, PG III, Marine Pollutant

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 STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, DO NOT allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. DO NOT apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area.

## 15. REGULATORY INFORMATION (CONT.)

### 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

Diflubenzuron (CAS No. 35367-38-5): 3.0%

Permethrin (CAS No. 52645-53-1): 5.0%

### CERCLA Reportable Quantity (RQ) –

Not listed

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other 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 Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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Manufactured for:  
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