

# ASCERTAIN<sup>TM</sup> TR

## SAFETY DATA SHEET

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

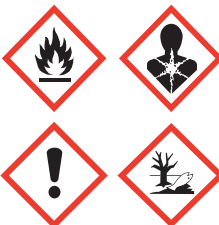
### 1. IDENTIFICATION

**PRODUCT NAME:** Ascertain TR  
**DESCRIPTION:** Aerosol insecticide  
**EPA REG. NO.:** 91234-70  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### DANGER

Extremely flammable aerosol (H222)  
Pressurized container: may burst if heated (H229)  
May cause cancer (H350)  
May damage fertility of the unborn child. (H360)  
May cause genetic defects. (H340)  
May cause an allergic skin reaction. (H317)  
May cause damage to organs through prolonged or repeated exposure. (H373)  
Causes severe eye irritation. (H319)  
May cause drowsiness or dizziness (H336)  
Harmful if swallowed (H302)  
Very toxic to aquatic life with long lasting effects (H400+H410)



#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Sensitization, skin	1, 1A, 1B	Aerosols	1
Carcinogenicity	1B		
Reproductive toxicity	1B		
Germ cell mutagenicity	1B	<b>Environmental Hazards</b>	<b>Category</b>
Serious eye damage/eye irritation	2A	Hazardous to the aquatic environment, acute	1
Specific target organ tox., repeated exposure	2	Hazardous to the aquatic environment, chronic	1
Specific target organ tox., single exposure	3		
Acute toxicity, oral	4		

#### HAZARDS NOT REQUIRING CLASSIFICATION

None.

#### PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
Do not spray on an open flame or other ignition source. (P211)  
Do not pierce or burn, even after use. (P251)  
Do not eat, drink or smoke when using this product. (P270)  
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. (P201+P202)  
Wear protective clothing as specified in Section 8 of this document. (P280)  
Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. (P410+P412)  
Do not breath fumes or spray. Contaminated work clothing should not be allowed out of the workplace. (P260+P271)  
Wash hands and skin thoroughly after handling. (P264)  
Use only according to label instructions. (P271)

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. For specific treatment see FIRST AID in Section 4 of this document. Take off contaminated clothing and wash it before reuse. (P302+P352+P333+P313+P312+P321+P362+P364)

**IF exposed or concerned:** Get medical advice/attention. (P308+P313)

Get medical advice/attention if you feel unwell. (P314)

**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 INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER / doctor if you feel unwell. (P304+P340+P312)

**IF SWALLOWED:** Call a POISON CENTER / doctor for treatment advice if you feel unwell. Rinse mouth. (P301+P312+P330)

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

Store in a well-ventilated place. Keep container tightly closed. Store locked up. (P403+P233+P405)

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Bifenthrin	(2-methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate	82657-04-3	4%
Acetone	Propan-2-one	67-64-1	51%
Liquefied Petroleum Gasses	-	Blend	45%

### 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 **1-844-685-9173** for emergency medical treatment information.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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 eye. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice if you feel unwell.

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

## 5. FIREFIGHTING MEASURES

**Flame Extension:** > 23 in.

**Fire and Explosion Hazards:** Aerosol container contains flammable gas under pressure, risk of explosion when exposed to excessive temperatures. Thermal decomposition may generate irritating and possibly toxic gases.

**Extinguishing Medium:** 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. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

**Hazardous Combustion Products:** Oxides of carbon and nitrogen, hydrogen chloride and fluoride, halogenated hydrocarbons, hydrogen bromide, halogenated compounds and hydrocarbons.

**NFPA Ratings:** Health – 2 / Flammability – 3 (aerosol) / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Extinguish nearby and downwind sources of ignition. Ensure adequate ventilation. 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 or soil. Contain contaminated water.

**Spill Cleanup:** Stop the source of the release and clean up spill immediately. Contain and isolate to prevent further release into soil and water. Absorb spill with absorbent material (such as clay, sand, or dirt) and place in suitable container for disposal. Wash spill area with water and pick up wash liquid with additional absorbent and place in container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Do not get in eyes or on clothing. Avoid contact with skin. Do not breath fumes or spray. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse

**Storage:** Store in original container in a dry storage area out to reach of children and animals. Protect from excessive heat (temperatures above 130°F). Explosive at or above the indicated temperature.

## 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:** Applicators, and other handlers must wear: protective eyewear (such as goggles, face shield or safety glasses), long-sleeved shirt, long pants, and shoes plus socks.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** colorless clear liquid

**Odor:** acetone, solvent like

**Melting/freezing point:** not available

**Boiling point/Boiling range:** not available

**Flammability:** not available

**Flammability limits (upper/lower):** not available

**Flash point:** not available

**Flame Projection/Extension:** > 23 in.

**Auto-ignition temperature:** not available

**Decomposition temperature:** not available

**pH:** 5.26 (1% aq.)

**Kinematic viscosity:** 0.46 (20°C),  
0.39 (40°C)

**Solubility:** not available

**Partition coefficient:** not available

**Vapor pressure:** not available

**Bulk density:** 0.812 g/mL

**Relative vapor density:** not available

**Particle characteristics:** not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Flame, heat, extreme temperatures, ignition sources.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong acids, bases, oxidizing agents, aldehydes, amines, and chlorinated hydrocarbons.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may create oxides of carbon and nitrogen, hydrogen chloride and fluoride, halogenated hydrocarbons and hydrocarbons. If heated above decomposition temperature, toxic vapors may be released.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information presented below is from testing done on an identical or substantially similar product:**

**ORAL TOXICITY (rat LD<sub>50</sub>):** 1330 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 3.1 mg/L (4-hour) (no mortality observed)

**EYE IRRITATION:** Substantial but temporary eye injury

**SKIN IRRITATION:** Slightly irritating

**SKIN SENSITIZATION:** Positive contact sensitizer

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Group C – Possible human carcinogen (bifenthrin)

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the active ingredient or other components.

**REPRODUCTIVE TOXICITY:** Tests on the active ingredient give no indication of effects on fertility. Animal studies show that acetone may cause damage to the testes after repeated high exposures that cause other toxic effects.

**TERATOGENICITY:** The active ingredient causes developmental effects in animals at high, maternally toxic doses. Inert components have caused malformations/developmental toxicity in laboratory animals.

**OTHER TOXICITY:** Based on the properties of the individual components, this product may cause possible narcotic effects (dizziness and/or drowsiness). Repeated exposure can cause damage to organs.

## 12. ECOLOGICAL INFORMATION

This pesticide is very toxic to fish and aquatic organisms. Bifenthrin is not readily biodegradable.

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

Rainbow Trout (96-hr LC<sub>50</sub>): 0.00010 mg/L

Algae (EC<sub>50</sub>): > 100 mg/L

*Daphnia magna* (48-hr EC<sub>50</sub>): 0.00011 mg/L

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** DO NOT puncture or incinerate. If empty: Place in trash or offer for recycling if available. If partly filled: Contact your local solid waste agency for disposal instructions.

## 14. TRANSPORT INFORMATION

**UN Number:** UN1950  
**Proper Shipping Name:** Aerosols, flammable, N.O.S. (contains hydrocarbon propellant, bifenthrin)  
**Transport Hazard Class:** 2.1  
**Packing Group:** -  
**Hazard Zone:** A  
**Marine Pollutant:** Yes<sup>1</sup>  
**Hazardous Substance RQ:** None  
**Labels / Placards:** US-DOT: Aerosols, flammable<sup>2</sup>  
IMDG, IATA: Aerosols, flammable

**Emergency Guide:** 126 (NAERG – North American Emergency Response Guide)

<sup>1</sup> **Marine Pollutant Note:** Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant.

<sup>2</sup> **US-DOT Note:** Product is considered limited quantity and is not regulated for ground transportation when shipped in aerosol cans (49CFR§173.306).

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

**WARNING.** Causes substantial but temporary eye injury. DO NOT get in eyes or on clothing. Harmful if swallowed or absorbed through

skin. Avoid contact with skin. Wear goggles, face shield or safety glasses. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

See inside label booklet for additional precautionary statements.

### PHYSICAL OR CHEMICAL HAZARDS

**Extremely Flammable.** Contents under pressure. Keep away from fire, sparks and heated surfaces. **DO NOT** puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the **Directions For Use** on this label very carefully.

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, Delayed, Fire

**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**  
Bifenthrin (CAS No. 82657-04-3) (4.0%)

**CERCLA Reportable Quantity (RQ) –**  
Acetone (CAS No. 67-64-1): 5,000 LBS

### 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.

SDS Version: 1.0

Effective Date: 05/25/2018