

PISTON™ TR

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Piston TR
DESCRIPTION: Aerosol insecticide
EPA REG. NO.: 91234-66
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 drowsiness or dizziness (H336)
Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Environmental Hazards	Category
Specific Target Organ Toxicity, Single Exposure	3	Hazardous to the aquatic environment, acute	1
		Hazardous to the aquatic environment, chronic	1

Physical Hazards
Aerosols
Category 1

HAZARDS NOT REQUIRING CLASSIFICATION

None.

PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. (P210+P211+P251)

Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. (P410+P412)

Avoid breathing fumes and spray. Use only as instructed in the product label. (P261+P271)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell. (P304+P340+P319)

Avoid release to the environment. (P273)

Collect spillage. (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
Chlorfenapyr	4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethyl-1H-pyrrole-3-carbonitrile	122453-73-0	4.5%
Acetone	Propan-2-one	67-64-1	50%
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. For emergency medical assistance, call SafetyCall®: **1-844-685-9173**. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

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: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

NOTE TO PHYSICIAN: Treat symptomatically, no known specific antidote.

5. FIREFIGHTING MEASURES

Flame Extension: > 18 inches

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 (CO₂).

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 – 1 / Flammability – 4 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and un-protected 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 eyes, skin or clothing. Avoid breathing vapor or spray mist. 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: DO NOT store below 32°F. Store in a cool, dry (preferably locked) area, away from heat or open flame, in a place that is inaccessible to children and animals.

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, and chemical-resistant gloves (such as barrier laminate and butyl rubber ≥14 mils).

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:	Dark Amber - Aerosol
Odor:	acetone
Melting/freezing point:	not available
Boiling point/Boiling range:	not available
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point:	approx. -155.2°F (- 104°C)
Flame Projection/Extension:	> 18 inches
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	7-9 @ 23.8°C
Kinematic viscosity:	0.43 mPa.s @ 21.3°C
Solubility:	dispersible
Partition coefficient:	not available
Vapor pressure:	not available
Density:	0.83 g/cm ³
Relative vapor density:	not available
Particle characteristics:	not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Flame, heat, ignition sources.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, bases and oxidizing agents.

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 LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.05 mg/L (4-hour)

EYE IRRITATION: Substantial but temporary irritation

SKIN IRRITATION: Slightly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

EPA: Not listed

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: No evidence of teratogenic effects for the active ingredient or other components.

OTHER TOXICITY: Based on the properties of the individual components, this product may cause possible narcotic effects (dizziness and/or drowsiness).

12. ECOLOGICAL INFORMATION

Chlorfenapyr is very high toxic to freshwater and estuarine/marine fish and invertebrates. Chlorfenapyr is very highly toxic to birds on an acute basis. It is also highly toxic to honey bees on an acute contact exposure basis.

The following information is for the active ingredient, chlorfenapyr: AQUATIC TOXICITY

Rainbow trout (LC₅₀): 0.00744 mg/L

Rainbow trout (NOAEC): 0.00368 mg/L

Daphnia magna (EC₅₀): 0.00583 mg/L

Daphnia magna (NOAEC): 0.00357 mg/L

AVIAN TOXICITY

Bobwhite: (Oral LD₅₀) 34 mg/kg; (NOEL) 0.5 mg/kg

Mallard: (Oral LD₅₀) 8.3 mg/kg; (NOEL) 0.5 mg/kg

OTHER TOXICITY

Honeybee (contact LD₅₀): 0.12 µg/bee

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

US-DOT:

Shipping Description: UN1950, Aerosols, flammable, N.O.S. (contains hydrocarbon propellant, chlorfenapyr), 2.1, Marine Pollutant

Emergency Guide: 126

IMDG:

Shipped internationally by vessel: UN1950, Aerosols, flammable, N.O.S. (contains hydrocarbon propellant, chlorfenapyr), 2.1, Marine Pollutant

IATA:

Shipped by air: UN1950, Aerosols, flammable, N.O.S. (contains hydrocarbon propellant, chlorfenapyr), 2.1, 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

WARNING. Causes substantial but temporary eye injury. DO NOT get in eyes or on clothing. 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.

See inside label booklet for additional precautionary statements.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. **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 (Acute)

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) -

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: 2.0

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