

PYRUS™ TR

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Pyrus™ TR
DESCRIPTION: Aerosol insecticide
EPA REG. NO.: 91234-81
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

Extremely flammable aerosol (H222)
Pressurized container:
may burst if heated (H229)
Extremely Flammable liquid
and vapor (H224)
May be fatal if swallowed and enters airways (H304)
Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Aspiration Hazard	1	Flammable liquids	1
		Aerosols	1
Environmental Hazards		Category	
		Hazardous to the aquatic environment, acute	1
		Hazardous to the aquatic environment, chronic	1

HAZARDS NOT REQUIRING CLASSIFICATION

May cause paraesthesia. Contains: Pyrethrins

PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on open flame or other ignition source. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosionproof equipment. Use non-sparking tools. Take action to prevent static discharges. Do not pierce or burn, even after use. Wear protective gloves / protective clothing. Refer to Section 8 for specific PPE requirements. (P210+P211+P233+P240+P241+P242+P243+P251+P280)

IF SWALLOWED: Get emergency medical help immediately. Do NOT induce vomiting. (P301+P316+P331)

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water. Refer to Section 4 for additional medical information. In case of fire: Use extinguishing powder, foam or CO2 for extinction. (P303+P361+P353+P370+P378)

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

Collect spillage. (P391)

Store locked up in a well-ventilated place. Keep cool. (P405+P403+P235)
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. (P410+P412)
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
Piperonyl butoxide	5-[[-(2-(2-butoxyethoxy)ethoxy)methyl]-6-propyl-1,3-benzodioxole]	51-03-6	16.0%
Pyrethrins	--	8003-34-7	4.0%
BHT	Butylated hydroxytoluene	128-37-0	0.3-1.0%
Petroleum distillates	--	64742-47-8	10.0-15.0%
Petroleum gases, liquified, sweetened	--	68476-86-8	50.0-75.0%

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 chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

IF SWALLOWED: Immediately call a poison control center or doctor. DO NOT give any liquid to the person. DO NOT induce vomiting unless told to by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia. Treatment is symptomatic. Antihistamines are of value.

5. FIREFIGHTING MEASURES

Flash Point: approx. < -6°C; > 18 in. flame extension

Fire and Explosion Hazards: Aerosol container contains flammable gas under pressure. Pressure inside container is increased when heated and may cause explosion. If product is heated above decomposition temperature, toxic vapors will be released. The substances/groups of substances mentioned can be released in case of fire.

Extinguishing Medium: Foam, dry powder, or carbon dioxide (CO₂).

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

5. FIREFIGHTING MEASURES (Cont.)

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: Combustion forms carbon monoxide, carbon dioxide, and hydrocarbons.

NFPA Ratings: Health – 1 / Flammability – 4 / Reactivity - 1

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. Spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store product in original container in a dry storage area out of reach of children and animals. Do not expose to temperatures exceeding 50°C/122°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Occupational Exposure Limits:

Pyrethrins	OSHA PEL	PEL 5 mg/m ³ ; TWA 5 mg/m ³
	ACGIH TLV	TWA value 5 mg/m ³
Petroleum distillates	ACGIH TLV	TWA value 200 mg/m ³ non-aerosol (total hydrocarbon vapor); Application restricted to conditions in which there are negligible aerosol exposures. Skin Designation Non-aerosol (total hydrocarbon vapor); The substance can be absorbed through the skin

Protective Clothing: Applicators, and other handlers must wear: long-sleeved shirt and long pants; chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or Viton; 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	yellow aerosol
Odor:	char., faint odor
Melting/freezing point:	approx. -30°C (solvent)
Boiling point/Boiling range:	193-245°C (solvent)
Flammability:	extremely flammable
Flammability limits (upper/lower):	not available
Flash point:	approx. -6°C
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	approx. 5.5-7.5
Dynamic viscosity:	1.82 mPa.s
Solubility:	immiscible in water
Partition coefficient:	not available
Vapor pressure:	approx. 0.3 hPa
Density:	approx. 0.88 g/cm ³
Relative vapor density:	not available
Particle characteristics:	not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: All sources of ignition (heat, sparks, open flame), prolonged storage, electrostatic discharge, contamination, prolonged exposure to extreme heat, extreme temperatures.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: strong oxidizing agents, aldehydes, amines, chlorinated products

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can produce oxides of carbon and hydrocarbons

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): 4,900 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg (no mortality)

INHALATION TOXICITY (rat LC₅₀): > 5.63 mg/L (4-hour)

EYE IRRITATION: slightly irritating

SKIN IRRITATION: slightly irritating

SKIN SENSITIZATION: Guinea pig – not a contact sensitizer

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

EPA: Not listed

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

REPRODUCTIVE TOXICITY/TERATOGENICITY: No evidence of fertility or reproductive or teratogenic effects for this product or active ingredients.

OTHER TOXICITY: This product contains petroleum distillates - ingestion and vomiting of this product may cause aspiration pneumonia.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates.

The following information is for the active ingredient, pyrethrins:

Fish: (96h LC₅₀) 0.0052 mg/L (NOEC) 0.0019 mg/L
Aquatic Invert: (48h EC₅₀) 0.0014 mg/L, (NOAEC) 0.00086 mg/L

The following information is for the active ingredient, piperonyl butoxide:

Aquatic Invert: (NOAEC) 0.03 mg/L

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Product not disposed of by use according to label directions should be wrapped in paper and placed in a trash can. If these wastes cannot be disposed of 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 or refill this container. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Shipping Description: UN1950, Aerosols, flammable, N.O.S. (contains petroleum gases, pyrethrins, piperonyl butoxide), 2.1, Marine Pollutant

Emergency Guide: 126

Hazardous Substance RQ: Pyrethrins (CAS No. 8003-34-7): 1 lb.

IMDG:

Shipped internationally by vessel: UN1950, Aerosols, flammable, N.O.S. (contains petroleum gases, pyrethrins, piperonyl butoxide), 2.1, Marine Pollutant

IATA:

Shipped by air: UN1950, Aerosols, flammable, N.O.S. (contains petroleum gases, pyrethrins, piperonyl butoxide), 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

CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

See inside label booklet for additional precautionary statements.

PHYSICAL/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 the 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
Piperonyl butoxide (CAS No. 51-03-6)

CERCLA Reportable Quantity (RQ) -
Pyrethrins (CAS No. 8003-34-7): 1 lb.

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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