

M A T E R I A L S A F E T Y D A T A S H E E T

Prescription Treatment® brand Attain® TR Micro Total Release Insecticide

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand Attain® TR
Micro Total Release Insecticide
EPA Reg. No.: 499-472
Product Code: 09-1820 (12 x 2 oz)
EPA Signal Word: WARNING
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENT (4.0%)	%	CAS NO.
Bifenthrin	4.0	82657-04-3
OTHER INGREDIENTS* (96.0%)	%	CAS NO.
2-propanol	proprietary	67-63-0
N-Methylpyrrolidone	6.0	872-50-4
Hydrocarbons C3-C4	proprietary	68476-40-4

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Bifenthrin	NE	NE	NE	NE
2-propanol	NE	400 ppm	500 ppm	400 ppm
N-Methylpyrrolidone	NE	NE	NE	NE
Hydrocarbons C3-C4	NE	NE	NE	1,000 ppm

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Product causes substantial but temporary eye irritation. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

ROUTES OF ENTRY

Primary: Inhalation **Secondary:** Skin **Tertiary:** Ingestion

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in carbon monoxide, carbon dioxide, hydrochloric acid, nitrogen oxide fumes and hydrofluoric acid.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

Eye Contact: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Ingestion: 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.

Inhalation: 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.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

Note to Physician: None

Medical Conditions Generally Aggravated by Exposure: None known

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (TCC): < 20°F

Flame Projection: > 18"

Explosibility Limits of Propellant in Air (% by volume):

Lower (LEL) = 1.8% Upper (UEL) = 9.5%

NFPA 30B Flammability: Level 3 Aerosol

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

IN CASE OF FIRE

Extinguisher Media: Carbon Dioxide, Dry Chemical, Foam

Special Fire Fighting Procedures: Fire fighting personnel should wear full protective equipment and positive pressure self-contained breathing apparatus (SCBA) approved for firefighting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and allow to discharge completely in well ventilated area, then dispose of as directed below.

This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

Emergency Telephone Number of Chemtrec: 800-424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Wear protective eyewear such as goggles or face shield.

Skin: Wear chemical-resistant gloves. Also wear long-sleeved shirt, long pants and shoes plus socks. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces, or when prolonged exposure to product vapor or spray mist may occur. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, state and federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. **WARNING** – Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear goggles or face shield while handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

USER SAFETY RECOMMENDATIONS

Users Should: 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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

OTHER PRECAUTIONS

Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists. Do not place within 10 horizontal feet of any ignition source such as pilot lights, other open flames or running electrical appliances that cycle off and on. All human occupants and pets must be removed before treatment. Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

PHYSICAL AND 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.

STORAGE

Do not contaminate water, food or feed. Store in a cool, dry area away from heat or open flame and inaccessible to children.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hr. **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Respiratory Protection: For prolonged exposure or if used in enclosed or confined areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

Protective Gloves: Chemical-resistant gloves are recommended if skin contact is likely. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Wear protective eyewear such as goggles or face shield.

Other Protective Equipment: Long-sleeved shirt, long pants, shoes plus socks

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Attain® TR Micro Total Release Insecticide

Restricted Entry Interval (REI): PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil or water, is: Coveralls, waterproof gloves, shoes plus socks and protective eyewear.

VENTILATION

Local Exhaust: None required
Mechanical: None required
Special: None required
Other: Ventilate greenhouse according to the requirements of the Worker Protection Standard before reentry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Sprays as a clear liquid
Solubility in Water: Slight
Viscosity: 2.25 cps at 77°F
Boiling Point: NE
pH: 9.87 at 77°F (1% in water)

Odor: Characteristic solvent odor
Vapor Pressure: NE
Vapor Density: NE
Freezing/Melting Point: NE
Specific Gravity: 0.8430 g/cm³ @ 68°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite when used according to label directions.
Conditions to Avoid: Heat, sparks and open flame
Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids, aldehydes, amines, chlorinated compounds
Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in carbon monoxide, carbon dioxide, hydrochloric acid, nitrogen oxide fumes and hydrofluoric acid.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Inhalation **Secondary:** Skin **Tertiary:** Ingestion

ACUTE

Eyes: Product causes moderate, but reversible eye irritation. Produced moderate conjunctival irritation, clearing in 14 days (rabbits). Corneal opacity was observed, clearing in 17 days (rabbits). No iritis was observed.
Skin: Prolonged exposure may cause skin irritation. Acute dermal toxicity: LD₅₀ > 5,000 mg/kg (rabbits). Primary skin irritation Index = 0.1 (rabbits). Product is a dermal sensitizer when tested on guinea pigs.
Ingestion: Acute oral toxicity: LD₅₀ > 1,300 mg/kg (rats).
Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity: LC₅₀ > 3.1 mg/L (rats).

CHRONIC/CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

REPRODUCTIVE TOXICITY

This product contains *N-Methylpyrrolidone*, a chemical known by the state of California to be a reproductive hazard.

SECTION 12. ECOLOGICAL INFORMATION

This product is highly toxic to fish and aquatic invertebrates. Keep out of lakes, streams or ponds. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on the label.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste in accordance with all federal, state and local regulations.

Container Disposal: Do not puncture or incinerate! Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency for disposal instructions.

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Consumer Commodity, ORM-D

Package Marking: Consumer Commodity, ORM-D

Package Labeling: None required

Certified Packaging: Not required

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Packages offered or intended for other modes of transportation are subject to additional requirements. Consult an appropriately trained Shipping Professional before offering for shipment.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate (Acute) Health Hazard

Fire Hazard

Release of Pressure (Puncture) Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substances subject to the reporting requirements of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and/or 40 CFR Part 372:

Bifenthrin (CAS #82657-04-3)

4.0% by weight

N-Methylpyrrolidone (CAS #872-50-4)

6.0% by weight

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROP 65)

This product contains *N-Methylpyrrolidone*, a chemical known by the state of California to be a reproductive hazard.

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 4 REACTIVITY - 1

HMIS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 4 REACTIVITY - 1

KEY: 4 = Severe
3 = High
2 = Moderate
1 = Slight
0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
STEL - Short Term Exposure Limit (15 min)
TWA - Time Weighted Average (8 hr)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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