

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Tame*/Orthene* TR 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 Tame*/Orthene* TR
Total Release Insecticide

EPA Reg. No.: 499-441

Product Code(s): 09-1450 (12 x 16 oz)

EPA Signal Word: WARNING

Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

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): NE**Flame Projection:** > 18"**Explosibility Limits of Propellant in Air (% by volume):**

Lower (LEL) = 3.4% Upper (UEL) = 18%

NFPA 30B Flammability: Level 2 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: Dry Chemical, Water**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.**Skin:** Wear chemical-resistant gloves, 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. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE 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.

PHYSICAL AND 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. Do not spray directly on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc. Do not use Tame/Orthene TR in greenhouses with unvented, or defective gas heating systems. This product contains a flammable propellant. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on the label very carefully. Do not release product directly into an open flame or allow the propellant to collect around an open flame.

OTHER PRECAUTIONS

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. When making applications do not place cans within 10 horizontal feet of any ignition

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENTS (2.5%)	%	CAS NO.
Fenpropathrin	1.0	39515-41-8
Acephate	1.5	30560-19-1
OTHER INGREDIENTS* (97.5%)	%	CAS NO.
Isopropanol	proprietary	67-63-0
Dimethyl Ether	proprietary	115-10-6

* 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
Fenpropathrin*	NE	NE	NE	NE
Acephate	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
Dimethyl Ether	NE	NE	NE	1,000 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

This product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

SIGNS/SYMPTOMS OF EXPOSURE

Product causes substantial but temporary eye irritation. Harmful if swallowed or absorbed through skin.

SIGNS/SYMPTOMS OF CHOLINESTERASE DEPRESSION

Excessive exposure may cause signs of cholinesterase inhibition including discomfort or tightness in chest, difficulty in breathing, stomach pain, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils or blurred vision. Symptoms may not occur until 1 - 12 hr after exposure. Note: When used according to label directions, this level of exposure will not be attained.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may produce carbon dioxide and carbon monoxide.

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.

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.

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

Note to Physician: This product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

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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.

STORAGE

Do not contaminate water, food or feed. Store in a cool, dry place 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 24 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: Wear chemical-resistant gloves such as Barrier laminate ≥ 14 mils or Butyl rubber ≥ 14 . (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.

Other Protective Equipment: Wear long-sleeved shirt, long pants and shoes plus socks.

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: chemical-resistant gloves such as Barrier laminate ≥ 14 mils or Butyl rubber ≥ 14 mils or Nitrile rubber ≥ 14 mils or Neoprene rubber ≥ 14 mils or PVC ≥ 14 mils or Viton ≥ 14 mils, coveralls, shoes plus socks and protective eyewear.

VENTILATION

Local Exhaust: None required

Mechanical: None required

Special: None required

Other: Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sprays as a strong mist

Solubility in Water: NE

Viscosity: 1.87 cps @ 68°F

Boiling Point: NE

pH: NE

Odor: Slight characteristic IPA and Acephate odor

Vapor Pressure: NE

Vapor Density: NE

Freezing/Melting Point: NE

Density: 0.7903 g/ml @ 68°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite when stored and used according to label directions.

Conditions to Avoid: Heat, sparks and open flame

Incompatibility (Material to Avoid): Caustics, amines, alkanolamines, aldehydes, strong oxidizing agents and chlorinated compounds

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Inhalation

Secondary: Skin

Tertiary: Ingestion

ACUTE

Eyes: Product causes substantial but temporary eye injury. Produces conjunctival irritation in rabbits, reversible within 21 days. Product causes corneal opacity clearing in 21 days and iritis clearing in 14 days.

Skin: Prolonged exposure may cause skin irritation. Acute dermal $LD_{50} > 2,000$ mg/kg (rabbits). Primary skin irritation index = 0.25 (rabbits). Product is not a sensitizer when tested on guinea pigs.

Ingestion: Acute oral toxicity $LD_{50} = 1,850$ mg/kg (rats).

Inhalation: Acute inhalation toxicity $LC_{50} > 8.1$ 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).

SECTION 12. ECOLOGICAL INFORMATION

Not applicable. Product is not used outdoors.

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: None 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:

Fenpropathrin (CAS# 39515-41-8)

1.0% by weight

Acephate (CAS# 30560-19-1)

1.5% by weight

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 - 2 FLAMMABILITY - 3

REACTIVITY - 1

HMIS HAZARD RATING SYSTEM

HEALTH - 2 FLAMMABILITY - 3

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.

* Tame is a registered TM of Valent U.S.A. Corporation.

** Orthene is a registered TM of OMS Investment, Inc. for Acephate insecticide.

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)



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