

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand 1300 Orthene 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 1300 Orthene Micro Total Release Insecticide  
**EPA Reg. No.:** 499-421  
**Product Code:** 09-1321 (12 x 6 oz.)  
**EPA Signal Word:** CAUTION  
**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 INGREDIENTS (12%)	%	CAS NO.
Acephate	12%	30560-19-1
OTHER INGREDIENTS (88%)	%	CAS NO.
2-propanol	proprietary	67-63-0
N-Methylpyrrolidone	25%	872-50-4
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
Acephate	NE	NE	NE	NE
2-propanol	NE	400 ppm	500 ppm	400 ppm
N-Methylpyrrolidone	NE	NE	NE	NE
Dimethyl Ether	NE	NE	NE	1000 ppm

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTES 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 may cause eye irritation. Prolonged exposure may cause skin irritation.

#### ROUTES OF ENTRY

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

#### SIGNS OF CHOLINESTERASE DEPRESSION

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in 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 minutes. Remove contact lenses, if present, after the first 5 minutes, 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 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 minutes. Call a poison control center or doctor for 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.

**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):** 53°F (concentrate)

**Flame Projection:** > 18"

**Flammable Limits of Propellant in Air (% by volume):**

Lower (LEL) = 3.4%      Upper (UEL) = 18.0%

**NFPA 308 Flammability:** Level II 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:** CO<sub>2</sub>, Dry Chemical, Foam

**Special Fire Fighting Procedures:** None required.

### 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 a 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

**Eyes:** None required. Protective eyewear such as goggles, face shield or safety glasses is recommended.

**Skin:** Wear 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, and shoes plus socks.

**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, P, N or HE prefilter.

#### WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of waste. 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. CAUTION – Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

#### 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.

#### PHYSICAL OR CHEMICAL HAZARDS

**Extremely 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 the label very carefully.

#### 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 hours.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** Wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

**Protective Gloves:** Wear 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.

**Eye Protection:** Use proper protection - safety glasses are recommended.

**Other Protective Equipment:** Long-sleeved shirt and 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

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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, and shoes plus socks.

### VENTILATION

**Local Exhaust:** None required.  
**Mechanical:** None required.  
**Special:** None required.  
**Other:** Provide adequate ventilation.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Sprays as strong, dry mist. **Odor:** Slight odor.  
**Solubility in Water:** Miscible **Vapor Pressure:** 50 psig @ 70°C  
**Viscosity:** NE **Vapor Density:** NE  
**Boiling Point:** NE **Freezing/Melting Point:** NE  
**pH:** NE **Density:** 1.27 g/ml @ 20°C

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Indefinite when used according to label directions.  
**Conditions to Avoid:** Do not spray into open flame or onto very hot surfaces.  
**Incompatibility (Material to Avoid):** None known.  
**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:** Skin **Secondary:** Inhalation **Tertiary:** Ingestion

#### ACUTE

**Eyes:** Produced conjunctival irritation and corneal opacity in rabbits, reversible within 7 days. No iritis was noted.

**Skin:** Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 0.00 (rabbits). Product is not a skin sensitizer when tested on guinea pigs.

**Ingestion:** Acute oral toxicity (rats) LD<sub>50</sub> > 2,000 mg/kg and < 5,000 mg/kg.

**Inhalation:** Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity (rats) LC<sub>50</sub> > 6,880 mg/L.

#### 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 toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. 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 wastes. Dispose of container and wastes 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 or call 1-800-CLEANUP for disposal instructions.

**Waste Disposal:** Wastes resulting from 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:** No labeling required.  
**Certified Packaging:** Not required.

#### SHIPMENT BY WATER (IMDG CLASSIFICATION)

**Proper Shipping Description:** Dangerous Goods in Limited Quantities of Class 2.1  
**Package Marking:** Dangerous Goods in Limited Quantities of Class 2.1  
**Package Labeling:** No labeling required.  
**Certified Packaging:** Not required.

#### SHIPMENT BY AIR (ICAO/IATA CLASSIFICATION)

**Proper Shipping Description:** Aerosols, 2.1, UN 1950, LTD. QTY.  
**Package Marking:** Aerosols, 2.1, UN 1950, LTD. QTY.  
**Package Labeling:** Label as "Flammable Gas" (class 2).  
**Certified Packaging:** Not required.  
**Other Requirements or Instructions:** Complete air bill with packing instruction "Y203, ERG code 10L".

### 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 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:

Acephate 12.0% (by weight)  
N-Methylpyrrolidone 25.0% (by weight)

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

This product contains N-Methylpyrrolidone, a chemical known to 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 - 2 REACTIVITY - 1

#### HMIS HAZARD RATING INFORMATION<sup>1</sup> = SLIGHT

HEALTH - 1 FLAMMABILITY - 2 REACTIVITY - 1

#### KEY:

4 = Severe  
3 = Serious  
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. **For automatic MSDS updates, register at [www.wmmg.com](http://www.wmmg.com).**

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 hrs.)



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.  
800-777-8570 [www.wmmg.com](http://www.wmmg.com)

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