

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

ACTIVE INGREDIENTS (12%)	%	CAS NO.
Acephate	12%	30560-19-1
OTHER INGREDIENTS (88%)	%	CAS NO.
Isopropanol	proprietary	67-63-0
N-methyl-2-pyrrolidone	25%	872-50-4
Dimethyl Ether	proprietary	115-10-6

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Acephate	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
N-methyl-2-pyrrolidone	NE	100 ppm	NE	100 ppm
Dimethyl Ether	NE	NE	NE	1000 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

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. Excessive exposure may cause signs of cholinesterase depression (see below). **Note:** when used according to label directions, this level will not be attained.

SIGNS OF CHOLINESTERASE DEPRESSION

Discomfort or tightness in chest, difficulty in breathing, stomach pains, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, nonactive pinpoint pupils or blurred vision. Symptoms may not occur until 1-12 hours after exposure.

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.

This product contains an organophosphate insecticide.

Eye Contact: Flush eyes with plenty of water. Call a physician if irritation persists.

Ingestion: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention.

Contact: Wash with plenty of soap and water. Get medical attention.

Note to Physician: 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.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Closed Cup): 53° F (concentrate)
Flame Extension (CSMA Flame Projection Test): > 18"
Flammable Limits in Air (% by volume):
Lower (LEL) = 1.3% Upper (UEL) = 9.5%

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: CO₂, 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.) 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

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: Wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

WASTE DISPOSAL METHOD

Full or leaking containers should be taken to a local disposal company for biological treatment or incineration. Whitmire Micro-Gen suggests that all Local, State, and Federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Do not contaminate water, food or feed by storage or disposal.

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 by storage or disposal. Store in a cool dry place away from heat or open flame.

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 1300 Orthene Micro Total Release Insecticide

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 respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or 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 \geq 14 mils or Butyl rubber \geq 14 mils

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

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

VENTILATION

Local Exhaust: None required.

Mechanical: None required.

Special: None required.

Other: Ventilate room before re-entering.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sprays as strong, dry mist.

Odor: Slight odor.

pH: NE

Viscosity: NE

Boiling Point: NE

Solubility in Water: Miscible

Vapor Pressure: 50 psig @ 70° C

Vapor Density: NE

Freezing/Melting Point: NE

Specific Gravity: 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

ACUTE

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

Skin: Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Primary skin irritation index = 0.00 (rabbits). Not a skin sensitizer when tested on guinea pigs.

Ingestion and Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute oral toxicity (rats) LD₅₀ > 2,000 mg/kg and < 5,000 mg/kg. Acute inhalation toxicity (rats) LC₅₀ > 6,880 mg/L.

CHRONIC / CARCINOGENICITY

This product is not classified as a carcinogen 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

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 this label.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal.

Container Disposal: Dispose of container in accordance with all Federal, state and local regulations. If steel aerosol can recycling is available, this container may be recycled. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!) If recycling is not available and if allowed by state and local regulations, wrap container and discard in trash.

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

DOT CLASSIFICATION

Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

INTERNATIONAL TRANSPORTATION

Not available

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 Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Acephale	12.0%
N-methyl-2-pyrrolidinone	25.0%

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

NEPA HEALTH RATING INFORMATION:

HEALTH - 1

FLAMMABILITY - 2

REACTIVITY - 1

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 hrs)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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