

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Pyrethrum 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 Pyrethrum TR Micro Total Release Insecticide
EPA Reg. No.: 499-479
Product Code: 09-1120 (12 x 2 oz.)
09-0021 (12 x 6 oz.)
EPA Signal Word: CAUTION
Manufactured by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

ACTIVE INGREDIENTS (20.0%)	%	CAS NO.
Pyrethrins	4.0%	8003-34-7
Technical Piperonyl Butoxide	16.0%	51-03-6
OTHER INGREDIENTS (80.0%)	%	CAS NO.
Isopropanol	proprietary	67-63-0
Petroleum Distillate	> 10.0%	64742-47-8
Hydrocarbon Propellant Blend	proprietary	68476-85-7

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Pyrethrins	NE	NE	10 mg/M ³	5 mg/M ³
Technical Piperonyl Butoxide	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
Petroleum Distillate	NE	NE	NE	200 ppm
Hydrocarbon Propellant	NE	NE	NE	1000 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

Treatment is symptomatic. Antihistamines are of value.

SIGNS/SYMPTOMS OF EXPOSURE

Prolonged exposure may cause skin irritation. A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause dryness of nose and throat.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and nitrogen oxide fumes, hydrofluoric acid and carbonyl halides.

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.

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 a poison control center or doctor.

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.

Eye Contact: Hold eye 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.

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.

Medical Conditions Generally Aggravated by Exposure: None known.

Note to Physician: Treatment is symptomatic. Antihistamines are of value.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Closed Cup): < 20° F

Flammable Limits in Air (% by volume):

Lower (LEL) = 3.9% Upper (UEL) = 16.9%

NFPA 30B Flammability: Level III 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 the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemical pyrethrins which has a reportable quantity (RQ) of 1 lb. A release of more than 25 pounds of this product (approx. 200 two ounce containers or 66 six ounce containers) is reportable to the National Response Center (800-424-8802).

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

PROTECTIVE EQUIPMENT

Eyes: Chemical goggles recommended, but not required.

Skin: Wear chemical resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, PVC or Viton.

Other Protective Equipment: Coveralls and shoes plus socks.

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 through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not contaminate food, food stuffs or feed. Remove all pets. Cover fish tanks or remove. Refer to section 8 for Personal Protective Equipment (PPE).

PHYSICAL OR 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 this label very carefully.

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.

STORAGE

Do not contaminate water, food or feed by storage or disposal. Store in a cool dry place away from heat or open flame.

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SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: Wear a respirator with 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: Chemical resistant gloves (such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, PVC or Viton).

Eye Protection: Protective eyewear recommended.

Other Protective Equipment: Wear long-sleeved shirt and long pants, and shoes plus socks. Entry into the treatment area during the Restricted Entry Interval (REI) of 12 hours calls for coveralls and shoes plus socks.

VENTILATION

Local Exhaust: None required.

Mechanical: None required.

Special: None required.

Other: Provide adequate ventilation of treatment area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly atomized, clear yellow liquid.

Odor: Characteristic pyrethrin odor.

pH: 6.520

Vapor Pressure: 48 psig @ 70° F

Percent Volatile: ≈ 80.0%

Vapor Density: NE

Boiling Point: NA

Freezing/Melting Point: NA

Solubility in Water: NA

Specific Gravity: 0.88 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. Moderate risk of peroxide formation.

Incompatibility (Material to Avoid): None known.

Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in halogen acids and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE

Eyes: Product is a mild eye irritant to rabbits, reversible within 72 hours. No corneal opacity or iritis was observed.

Skin: Prolonged exposure may cause skin irritation. Avoid contact with skin. Product does not appear to be a skin irritant for albino guinea pigs. Primary skin index = 1.29 (rabbits). Acute dermal LD₅₀ > 2,000 mg/kg (concentrate).

Ingestion and Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute oral toxicity (rats) LD₅₀ > 4,000 mg/kg (rats). Acute inhalation toxicity (rats) LC₅₀ > 5.63 mg/L (concentrate).

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 highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

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 the 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 the CERCLA listed chemical pyrethrins which has a reportable quantity (RQ) of 1 lb.

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:

Piperonyl Butoxide

16.0 % (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 - 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.

Effective Date: 5/2/01
Supersedes Revision Dated: 4/25/00
WMG Part No. 19-0076-2
Code #: 201-079