

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand 1600 X-clude® Timed Release Pyrethrum

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (PROSAR)

TRANSPORTATION: 800-424-9300 (CHEMTREC)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand 1600 X-clude® Timed Release Pyrethrum
EPA Reg. No.: 499-239
Product Code(s): 09-1620 (12 x 20 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 (2.836%)	%	CAS NO.
Pyrethrins	0.300%	8003-34-7
Piperonyl Butoxide, Technical	2.200%	51-03-6
n-Octyl Bicycloheptene Dicarboximide	0.336%	113-48-4
OTHER INGREDIENTS* (97.164%)	%	CAS NO.
Petroleum Distillate	proprietary	64742-47-8
Nonylphenol Ethoxylate	proprietary	9016-18-5
Propane	proprietary	74-98-6
Isobutane	proprietary	75-28-5

* 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
Pyrethrins	NE	NE	10 mg/m ³	5 mg/m ³
Piperonyl Butoxide, Technical	NE	NE	NE	NE
n-Octyl Bicycloheptene Dicarboximide	NE	NE	NE	NE
Petroleum Distillate*	NE	500 ppm	NE	NE
Nonylphenol Ethoxylate	NE	NE	NE	NE
Propane	NE	NE	NE	1,000 ppm
Isobutane	NE	NE	NE	1,000 ppm

* TWA recommended by ingredient supplier = 166 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE

A few cases of extrinsic asthma have been reported for Pyrethrum. Product may produce eye irritation; avoid contact with eyes. Prolonged exposure may cause skin irritation; avoid contact with skin.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic substances.

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 symptoms and follow the advice given.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. 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 minutes. Call a poison control center or doctor for treatment advice.

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.

Note to Physician: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

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 (TOC): None (aerosol concentrate)

Explosibility Limits in Air (% by volume):

Lower (LEL) = 1.8%

Upper (UEL) = 9.5%

NFPA 308 Flammability: Level 1 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, H₂O

Special Fire Fighting Procedures: None required – water based formulation

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 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 333 lbs. of this product (approximately 266 cans) is reportable to the National Response Center (800-424-8802).

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

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Use proper protection – safety glasses are recommended.

Skin: Wear chemical resistant gloves. (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.

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. CAUTION: May cause eye irritation. May be absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse.

PHYSICAL OR 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 into any electronic equipment such as radios, televisions, computers, etc. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to the possibility of short circuits and shock hazard. Product should only be used when can temperature is above 60°F. If can temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.

STORAGE

Do not contaminate water, food or feed by storage. 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 hours.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required for typical use exposure. See Section 6 for atypical exposures.

Protective Gloves: None required. Chemical resistant gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amount of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: None required. Use of safety glasses is recommended.

Other Protective Equipment: None required

VENTILATION

Local Exhaust: None required

Mechanical: Provide adequate ventilation of treatment area.

Special: None required

Other: None required

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Beige-yellow liquid spray
Solubility in Water: Disperses
Viscosity: NE
Boiling Point: NA
pH: 6.0 – 7.0

Odor: Characteristic Pyrethrin odor
Vapor Pressure: 50 psig @ 70°F
Vapor Density: NA
Freezing/Melting Point: NE
Density: 0.995 g/ml @ 20°C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable
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 possible toxic substances.

SECTION 11. TOXOLOGICAL INFORMATION

ROUTES OF ENTRY

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

ACUTE

Eyes: Product causes substantial but temporary eye irritation (Category II).
Skin: Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Primary skin irritation index average score = 0.1 (essentially non-irritating – Category IV). Product was considered "sensitizing" when tested on guinea pigs. Acute dermal toxicity (rabbits) LD₅₀ > 5,000 mg/kg (Category IV).
Ingestion: Acute oral toxicity (rats) LD₅₀ > 1,300 mg/kg (Category III).
Inhalation: Unlikely due to product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity (rats) LC₅₀ > 3.1 mg/L (Category IV).

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, birds and other wildlife. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal. 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 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
Other Requirements or Instructions: None required

SHIPMENT BY WATER (IMDG CLASSIFICATION)

Proper Shipping Description: Aerosols, 2.1, UN 1950
Package Marking: Dangerous Goods in Limited Quantities of class 2.1
Package Labeling: None required
Certified Packaging: Not required
Other Requirements or Instructions: None required

SHIPMENT BY AIR (IATA CLASSIFICATION)

Proper Shipping Description: Aerosols, Flammable, 2.1, UN 1950
Package Marking: Aerosols, Flammable, UN 1950, LTD. QTY.
Package Labeling: Class 2, Flammable Gas
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 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:

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:

Piperonyl Butoxide (CAS #51-03-6) 2.2% 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 – 1 REACTIVITY – 1

HMS HAZARD RATING INFORMATION¹ = SLIGHT

HEALTH – 1 FLAMMABILITY – 1 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.**

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.)



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