

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT^c brand PRO-CONTROL[®] PLUS Total Release Aerosol Insecticide Formula 1 EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (PROSAR)

TRANSPORTATION: 800-424-9300 (CHEMTREC)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment[®] brand PRO-CONTROL[®] Plus
Total Release Aerosol Insecticide Formula 1
EPA Reg. No.: 499-462 (12 x 6 oz.)
Product Code: 02-5001
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 (1.6%)	%	CAS NO.
Pyrethrins	0.50%	8003-34-7
Piperonyl Butoxide, Technical	1.00%	51-03-6
Cyfluthrin	0.10%	68359-37-5
OTHER INGREDIENTS* (98.4%)	%	CAS NO.
Dimethyl Ketone	25.0%	67-64-1
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
Pyrethrins	NE	NE	10 mg/m ³	5 mg/m ³
Piperonyl Butoxide, Technical	NE	NE	NE	NE
Cyfluthrin	NE	NE	NE	NE
Dimethyl Ketone	NE	750 ppm	1000 ppm	750 ppm
Dimethyl Ether*	NE	NE	NE	NE

* TWA recommended by ingredient supplier = 1000 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes can cause irritation. Prolonged or repeated contact with skin may cause illness. Inhalation of product vapors may cause chemical intoxication at high airborne concentrations.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide and carbon monoxide.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperature above 130° F may cause bursting. Liquid run off to sewers may create fire/explosion hazard.

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: 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 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 (TCC): < 20° F

Flame Projection: NE

Explosibility Limits of propellant in Air (% by volume):

Lower (LEL) = NE Upper (UEL) = NE

NFPA 30B Flammability: Level 1 Aerosol

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperature above 130° F may cause bursting. Liquid run off to sewers may create fire/explosion hazard.

IN CASE OF FIRE

Extinguisher Media: Foam, CO₂, Dry Chemical, Water Spray/Fog

Special Fire Fighting Procedures: Water can be used to cool fire-exposed containers. Firemen should wear protective equipment and positive pressure self-contained breathing apparatus.

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 200 lbs. of this product (approx. 533 units) 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, P, or HE 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 – Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling.

PHYSICAL OR CHEMICAL HAZARDS

Extremely Flammable. Keep away from fire, sparks and heated surfaces. Contents under pressure. Do not use or store near heat or 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.

STORAGE

Do not contaminate water, food or feed. Store in a cool, dry area inaccessible to children.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required when used according to label directions.

Protective Gloves: 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: Use proper protection – safety glasses are recommended.

Other Protective Equipment: None required.

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VENTILATION

Local Exhaust: None required.
Mechanical: None required.
Special: None required.
Other: Ventilate area for 30 minutes before re-entering. Do not remain in treatment area once unit is activated.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dispenses as a spray mist. **Odor:** NE
Solubility in Water: Negligible **Vapor Pressure:** NE
Viscosity: NE **Vapor Density:** NE
Boiling Point: NE **Freezing/Melting Point:** NE
pH: NE **Density:** 0.825 g/ml @ 20° C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable.
Conditions to Avoid: Excessive heat (temperatures above 130° F), fire, sparks and heated surfaces.
Incompatibility (Material to Avoid): Nitric plus acetic acids, nitric plus sulfuric acids, oxidizers, and organic acid anhydrides.
Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

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

ACUTE

Eyes: Direct contact with eyes can cause irritation.
Skin: Prolonged or repeated contact with skin can cause illness.
Ingestion: Ingestion is not considered a likely route of exposure. Product may cause severe distress and serious illness if taken internally. If taken internally, aspiration of liquid product may cause chemical pneumonia.
Inhalation: Inhalation of product vapors may cause chemical intoxication at high airborne concentrations.

SECTION 12. ECOLOGICAL INFORMATION

No information available. Product is not intended for outdoor application.

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 the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

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.

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 label required.
Certified Packaging: Not required.

SHIPMENT BY AIR (ICAO/IATA CLASSIFICATION)

Proper Shipping Description: Aerosols, Flammable, 2.1, UN 1950
Package Marking: "Aerosols, Flammable, UN 1950, LTD. QTY."
Package Labeling: 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) 1.0% by weight
Dimethyl Ketone (CAS #67-64-1) 25.0% 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 - 4 REACTIVITY - 0

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 4 REACTIVITY - 0

KEY: 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

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