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 P.I.® Contact 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 P.I. Contact Insecticide Formula 1
EPA Reg. No.: 499-444
Product Code: 02-0565-3
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 (4.50%)	%	CAS NO.
Pyrethrins	0.5 %	8003-34-7
Pyperonyl Butoxide, Technical	4.00 %	51-03-6
OTHER INGREDIENTS* (95.50%)	**%**	**CAS NO.**
Petroleum Distillate	> 10%	64742-47-8
Dimethyl Ketone	59.5%	67-64-1
Hydrocarbon Propellant	proprietary	68476-85-7

* 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

	OSHA PEL		ACGIH TLV	
Material	**STEL**	**TWA**	**STEL**	**TWA**
Pyrethrins	NE	5 mg/M^3	10 mg/M^3	5 mg/M^3
Pyperonyl Butoxide, Technical	NE	NE	NE	NE
Petroleum Distillate	NE	500 ppm	NE	NE
Acetone	NE	750 ppm	1000 ppm	750 ppm
Hydrocarbon Propellant	1000 ppm	NE	NE	NE

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN
Contains petroleum distillate - vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE
Product may produce eye irritation; avoid contact with eyes. Prolonged exposure may cause skin irritation; avoid contact with skin.

ROUTES OF ENTRY
Primary: Inhalation **Secondary:** Skin **Tertiary:** Ingestion

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.

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.

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.

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.

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

Medical Conditions Generally Aggravated by Exposure: none known

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION
Flame Projection: > 18"
Flashpoint (TCC): -4° F
Explodibility limits of propellant in air (% by volume):
Lower (LEL) = 2.5% Upper (UEL) = 13%
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: CO_2; 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 200 pounds of this product (approx. 178 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: Use proper protection – safety glasses are recommended.
Skin: Wear chemical resistant gloves. Wash hands after handling material. (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 eyes, skin, or clothing. Wash hands before eating, drinking, chewing gum, or using the toilet.

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.

STORAGE
Store in a cool area away from heat or open flame.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Respiratory Protection: For prolonged exposure or if used in enclosed areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter may be used.
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.

VENTILATION
Local Exhaust: None required.
Mechanical: Provide adequate ventilation of treatment area.
Special: None required.
Other: None required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Coarse spray
Solubility in Water: Soluble
Viscosity: NE
Boiling Point: NE
pH: NE
Odor: Characteristic Pyrethrin odor
Vapor Pressure: 95 psig @ 70° F
Vapor Density: NE
Freezing/Melting Point: NE
Density: 0.80 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 may result in carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY
Primary: Inhalation **Secondary:** Skin **Tertiary:** Ingestion

ACUTE
Eye: Product did not produce any conjunctival irritation, nor was any corneal opacity or iritis observed (rabbits).
Skin: Acute Dermal Toxicity - LD_{50} (rabbits) > 2000 mg/kg. Does not appear to be a dermal sensitizer to guinea pigs. Primary skin irritation = 0.13 (rabbits).
Inhalation & Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute oral toxicity: LD50 > 5000 mg/kg. Acute inhalation toxicity: LD50 > 4.53 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).

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 by cleaning of equipment or disposal of equipment washwaters.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal. Dispose of containers 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 filled, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

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

Piperonyl butoxide	4.00% by weight
Dimethyl Ketone	59.5% 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

HMIS HAZARD RATING INFORMATION
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.

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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