

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand 221L Residual 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 221L Residual Insecticide
EPA Reg. No.: 499-473
Product Code: 02-0221L (12 x 17.5 oz.)
02-0221L-1 (12 x 8 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 (0.05%)	%	CAS NO.
λ-Cyhalothrin	0.05%	91465-08-6
OTHER INGREDIENTS (99.95%)	%	CAS NO.
Petroleum Solvent	> 10%	64742-47-8
Isopropanol	proprietary	67-63-0

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirement 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
λ-Cyhalothrin	NE	NE	NE	NE
Petroleum Solvent	NE	500 ppm	NE	NE
Isopropanol	NE	400 ppm	500 ppm	NE

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically. Probable mucosal damage may contra-indicate the use of gastric lavage. May pose aspiration pneumonia hazard.

ROUTES OF ENTRY

Primary - Skin **Secondary** - Ingestion **Tertiary** - Inhalation

SIGNS/SYMPTOMS OF EXPOSURE

Product may produce eye irritation. Prolonged exposure may cause skin irritation.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in halogen acids and carbon dioxide.

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.

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 eye. Call a poison control center or doctor for treatment advice.

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: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

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.

Note to Physician: No specific antidote is available. Treat the patient symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage. May pose aspiration pneumonia hazard.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Closed Cup): ≈ 65° F
Flame Extension: > 18" @ 21° C with no flash back.
Flammable Limits in Air (% by volume):
Lower (LEL) = NE Upper (UEL) = NE
NFPA 308 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 no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals. Spills/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: Protective eyewear (goggles, face shield or safety glasses) required.
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: If vapor concentration is high or if in enclosed area, use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any 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. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PHYSICAL OR CHEMICAL HAZARDS

Extremely flammable. Contents under pressure. Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130° F may cause bursting. Do not spray on plastic, painted or varnished surfaces. Do not spray directly into electronic equipment such as radios, televisions, computers, etc.

STORAGE

Do not contaminate water, food or feed. Store in a cool dry area away from heat or open flame and inaccessible to children.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required if used according to label directions. For prolonged exposure, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter may be used.

Protective Gloves: None required. Wash hands after handling material. (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: Safety glasses or goggles are recommended but not required.
Other Protective Equipment: None required.

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VENTILATION

Local Exhaust: Not required.
Mechanical: Not required.
Special: Not required.
Other: Provide adequate ventilation of treatment area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear mist. **Odor:** Slight odor.
Solubility in Water: NE **Vapor Pressure:** 90-100 PSIg
Viscosity: 1 cps @ 25° C. **Vapor Density:** NE
Boiling Point: NE **Freezing/Melting Point:** NE
pH: 10.46 @ 25° C (1% in H₂O) **Density (Conc.):** 0.78 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 halogen acids and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary - Skin **Secondary** - Ingestion **Tertiary** - Inhalation

ACUTE

Eyes: Product may produce eye irritation.
Skin: Prolonged exposure may cause skin irritation.
Ingestion and Inhalation: Unlikely due to product being pressurized and producing particles large enough not to be respirable.

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, birds and other wildlife. 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 wash waters. Apply this product only as specified on the label. Spray will damage plant foliage.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal.

Container Disposal: This container may be recycled in the few but growing number of communities where steel aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label

(DO NOT PUNCTURE!). If recycling is not available, wrap the container and discard in the trash unless prohibited by state or local regulations.

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: No label required.
Certified Packaging: Not required for Consumer Commodity exception.
Other Requirements or Instructions: None

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: No label required.
Certified Packaging: Not required for Limited Quantity exception.
Other Requirements or Instructions: None

SHIPMENT BY AIR (IATA CLASSIFICATION)

Proper Shipping Description: Aerosols, flammable, 2.1, UN 1950
Package Marking: "Aerosols, flammable, 2.1, UN 1950, LTD. QTY"
Package Labeling: Class 2, Flammable Gas.
Certified Packaging: Not required for Limited Quantity exception.
Other Requirements or Instructions: Complete air bill with packing instruction Y203, ERG code 10L.

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:

Acute Health Hazard
Fire Hazard
Release of Pressure (puncture) Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains no Section 313 chemicals exceeding the de minimus concentration levels.

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
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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