

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: SEPTEMBER 25, 1998

Prescription Treatment[®] brand
565 PLUS XLO[®]
Pressurized Contact Insecticide
Formula 1

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)
EMERGENCY PHONE NUMBERS:
MEDICAL: (800) 225-3320 PROSAR
TRANSPORTATION: (800) 424-9300 CHEMTREC
EPA REG. NO.: 499-310

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH	ACGIH	OSHA	OTHER
	TLV/TWA	STEL	PEL	
Pyrethrins: 0.25% (CAS #8003-34-7)	5mg/m ³	10mg/m ³	NE	
Piperonyl butoxide, Technical: 1.00% (CAS #51-03-6)	NE	NE	NE	
n-Octyl Bicycloheptene Dicarboximide: 1.00% (CAS #113-48-4)	NE	NE	NE	
d-trans Allethrin: 0.25% (CAS #28057-48-9)	5mg/m ³	NE	NE	
Inert Ingredients: 97.5%				
Solvents & Propellents:				
Dimethyl Ether: (CAS #115-10-6)	1000 ppm*	NE	NE	
Isoparaffinic Petroleum Solvent: (CAS #64742-48-9)	NE	NE	500 ppm	
Isopropanol: (CAS #67-63-0)	400 ppm	500 ppm	400 ppm	15 min. ceiling 800ppm NIOSH

All components of this product are listed or excluded from listing on the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 2: PHYSICAL DATA

Boiling Point: NA
Specific Gravity (H₂O = 1): 0.99g/ml @ 20°C
Vapor Pressure in Aerosol Can:
50 psig @ 70°F
Percent Volatile: 97.5%
Vapor Density: NA
Evaporation Rate: NA
Solubility in Water: Slight
pH: 6.8-7.2 @ 70°F
Appearance and Odor: Sprays as a strong mist with characteristic pyrethrin odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point: Flame Extension = 18" (CSMA Flame Projection Test); 53° (TCC)
Flammable Limits: (for Dimethyl Ether) % by volume in air - Lower 3.4, Upper 18.0
NFPA 308 Flammability: Level 1 Aerosol
Extinguishing Media: CO₂; Dry Chemical; Foam
Special Firefighting Procedures: None required.
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE

Routes of Entry:

Inhalation?	Skin?	Ingestion?
Secondary	Primary	Tertiary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:

Eye: Product produced slight reversible conjunctival irritation in rabbits. No corneal opacity or iritis was observed.

Skin: Prolonged exposure may cause skin irritation. Primary skin irritation index (rabbits) = 0.21; Acute dermal toxicity - LD₅₀ (rabbits) > 2,000 mg/kg.

Ingestion & 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 inhalation toxicity - LC₅₀ (rats) > 6.33 mg/L; Acute oral toxicity - LD₅₀ (rats) = 4,590 mg/kg.

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Swallowed: Call a physician or poison control center immediately. Gastric lavage is indicated if material was taken internally. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

If Inhaled: Remove patient to fresh air. Apply artificial respiration if indicated.

If on Skin: Remove contaminated clothing and wash affected skin areas with soap and water. Get medical attention if irritation persists.

If In Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5: REACTIVITY DATA

Stability: Indefinite when used according to label directions.

Reactions to Avoid: Do not spray into open flame or onto very hot surfaces.

Hazardous Decomposition Products: Thermal decomposition in open flame may result in carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: If container begins to leak (through puncture, etc.), allow to discharge completely in well ventilated area, then dispose in safe place. In case of spillage on skin, wash thoroughly with soap and water. Emergency Telephone Number of Chemtrec: (800) 424-9300

(for transportation spills)

Waste Disposal Method: Do not contaminate water, food or feed by storage or disposal. Pesticide Disposal: Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility. 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. In case of spillage, this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection: During any general volumetric treatment, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.

Ventilation:

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

Special: None required. Other: None required.

Protective Gloves: None required - avoid contact with skin.

Eye Protection: None required - avoid contact with eyes.

Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Hazards to Humans and Domestic Animals: CAUTION - Harmful if swallowed or absorbed through skin. Do not remain in treated area and ventilate the area after treatment is completed. Avoid breathing of vapor. Avoid contact with skin, eyes or clothing. Wash thoroughly after using and before smoking or eating. Do not contaminate water, food, or foodstuffs. Remove all pets and birds. Cover fish tanks or remove before treating. In hospitals, patients should be removed from room prior to treatment. Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation. Food Areas of Food Handling Establishments: Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. When using this product, apply only when plant is not in operation. Environmental Hazards: This pesticide is highly 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. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Physical or Chemical Hazards: Extremely flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not spray on plastic, painted or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc. 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: Store in a cool area away from heat or open flame.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1 Flammability - 2 Reactivity - 1

SECTION 10: SARA TITLE III/SEC. 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by weight
51-03-6	Piperonyl butoxide	1.0

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
ACL - Acceptable Ceiling Level
MPC - Maximum Peak Concentration

Product Code: 02-0567-1
Contact: Dana M. Thomas