

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand 565 PLUS XLO® Pressurized 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 565 PLUS XLO®
Pressurized Contact Insecticide Formula 1
EPA Reg. No.: 499-310
Product Code(s): 02-0567-1 (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 (2.5%)	%	CAS NO.
Pyrethrins	0.25%	8003-34-7
Piperonyl Butoxide, Technical	1.00%	51-03-6
n-Octyl Bicycloheptene Dicarboximide	1.00%	113-48-4
d-trans Allethrin	0.25%	28057-48-9
OTHER INGREDIENTS* (97.5%)	%	CAS NO.
Dimethyl Ether	proprietary	115-10-6
Isoparaffinic Petroleum Solvent	< 10%	64742-48-9
Isopropanol	proprietary	67-63-0

* 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	10mg/m ³	5mg/m ³
Piperonyl Butoxide, Technical	NE	NE	NE	NE
n-Octyl Bicycloheptene Dicarboximide	NE	NE	NE	NE
d-trans Allethrin	NE	NE	NE	5mg/m ³
Dimethyl Ether*	NE	NE	NE	NE
Isoparaffinic Petroleum Solvent	500 ppm	NE	NE	NE
Isopropanol	NE	NE	NE	NE

* TWA recommended by ingredient supplier = 1000 ppm

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Prolonged exposure may cause skin irritation and drying of nose and throat.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in carbon dioxide and carbon monoxide.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Aerosol product - containers may rocket or explode in heat of fire.

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.

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

Flashpoint (TCC): < 20° F

Flame Extension: > 18"

Explosibility Limits in Air (% by volume):

Lower (LEL) = 3.4% Upper (UEL) = 18%

NFPA 30B Flammability: Level 1 Aerosol

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Aerosol product - Containers may rocket or explode in heat of fire.

IN CASE OF FIRE

Extinguisher Media: CO₂, Dry Chemical, Foam, Water fog.

Special Fire Fighting Procedures: Fight fire from maximum distance or protected area.

Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

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 400 lbs. of this product (320 containers) 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 as a minimum.

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: If working in enclosed spaces, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

WASTE DISPOSAL METHOD

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. Do not contaminate water, food or feed by storage or disposal of wastes.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. 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.

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.

STORAGE

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

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 pre-filter 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 as a minimum.

Other Protective Equipment: None required.

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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: Sprays as strong mist. **Odor:** Characteristic Pyrethrin odor.
Solubility in Water: Slight **Vapor Pressure:** 50 psig @ 70° F
Viscosity: NE **Vapor Density:** NE
Boiling Point: NE **Freezing/Melting Point:** NE
pH: 6.8-7.2 @ 70° F **Density:** 0.99 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.
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: Skin **Secondary:** Inhalation **Tertiary:** Ingestion

ACUTE

Eyes: 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 > 2,000 mg/kg (rabbits).
Ingestion: Acute oral toxicity - LD₅₀ = 4,590 mg/kg (rats).
Inhalation: Unlikely due to 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 > 6.33 mg/L (rats).

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 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.

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.

SECTION 14. TRANSPORT INFORMATION

U.S. DOT CLASSIFICATION (U.S. Domestic Surface Transport)

Proper Shipping Name: Consumer Commodity
Hazard Class: ORM-D
Proper Shipping Description: NA
Package Marking: Consumer Commodity ORM-D

IMDG CLASSIFICATION (Ocean Transport)

Proper Shipping Name: Aerosols
Hazard Class: 2.1
UN I.D. NO.: UN 1950
Proper Shipping Description: Dangerous Goods in Limited Quantities of Class 2.1
Package Labeling: No label required.
Package Marking: Dangerous Goods in Limited Quantities of Class 2.1

ICAO/IATA CLASSIFICATION (Air Transport)

Proper Shipping Name: Aerosols, Flammable
Hazard Class: 2.1
UN I.D. NO.: UN 1950
Proper Shipping Description: Aerosols, Flammable, 2.1, UN 1950
Package Labeling: Flammable Gas
Package Marking: Aerosols, Flammable, UN 1950, LTD. QTY.
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, Technical 1.0% 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 - 1

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 4 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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