

045416

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 PYRI-SHIELD™ EC Emulsifiable Concentrate Premise 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 PYRI-SHIELD™ EC Emulsifiable Concentrate Premise Insecticide
EPA Reg. No.: 1021-1620-499
Product Code: 02-0290 (4 x 1 pint)
 09-2345 (4 x 3.75 quarts)
EPA Signal Word: CAUTION
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
 3568 Tree Court Industrial Blvd.
 St. Louis MO 63122-6682

ACTIVE INGREDIENTS (1.3%)	%	CAS NO.
Pyriproxyfen	1.3%	96737-68-1
OTHER INGREDIENTS (98.7%)	%	CAS NO.
Petroleum Distillate	70-80%	64742-47-8

Note: Ingredients not identified are proprietary or nonhazardous. Values are not product specifications.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Pyriproxyfen	None	None	None	None
Petroleum Distillate*	NE	NE	NE	NE

* TWA recommended by ingredient supplier is 100 ppm.

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Can cause temporary eye irritation, tearing or blurred vision. Can be harmful if absorbed through skin. May cause skin irritation. Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis. May be harmful if swallowed. Can cause stomach irritation resulting in nausea, cramps and vomiting. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

HAZARDOUS COMBUSTION PRODUCTS

Under fire conditions, this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide and nitrogen oxides. Chlorine and Hydrogen Chloride may also be formed under fire conditions.

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: Remove contact lenses and immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and wash affected areas with large amounts of soap and water. If irritation persists, get medical attention. Wash clothing separately before reuse.

Ingestion: Call a physician and poison control center immediately. DO NOT induce vomiting due to aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

Inhalation: Remove affected person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (TAG Closed Cup): 153° F

HAZARDOUS COMBUSTION PRODUCTS

Under fire conditions, this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide and nitrogen oxides. Chlorine and Hydrogen Chloride may also be formed under fire conditions.

IN CASE OF FIRE

Special Fire Fighting Procedures: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), shut off ignition sources and stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger, isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. (if applicable) via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent. Contaminated absorbent and wash water should be disposed of according to local, state and Federal regulations.

Emergency Telephone Number of Chemtrec: (800) 424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT

Eyes: Wear OSHA approved safety glasses, goggles or face shield.

Skin: Wear impervious gloves such as Neoprene or Nitrile and protective clothing (i.e. leather shoes, long pants and long sleeve shirt.)

Inhalation: In absence of proper mechanical ventilation, wear a NIOSH approved organic vapor respirator.

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 or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. Refer to Section 4 for additional information.

OTHER PRECAUTIONS

Do not contaminate water, feed or food by handling. Refer to section 8 for PPE and ventilation requirements.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat, open flame or any ignition source.

ELECTROSTATIC ACCUMULATION HAZARD

This product contains petroleum distillate for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading and transfer of this product.

STORAGE

Do not contaminate water, feed or food by storage. Store in a cool, dry place. Keep container closed.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: In absence of proper mechanical ventilation, wear a NIOSH approved organic vapor respirator.

Protective Gloves: Wear impervious gloves such as Neoprene or Nitrile.

Eye Protection: Wear OSHA approved safety glasses, goggles or face shield.

Other Protective Equipment: Wear long pants, long sleeve shirt and shoes plus socks.

WORK HYGIENIC PRACTICES

DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand PYRI-SHIELD™ EC Emulsifiable Concentrate Premise Insecticide

VENTILATION

Local Exhaust: May be necessary when using in enclosed spaces.
Mechanical: Use when handling this product in enclosed spaces.
Special: None required.
Other: None required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear light amber liquid. **Odor:** Petroleum distillate odor.
pH: NA **Vapor Pressure:** NE
Viscosity: 9.0 cps **Vapor Density:** NE
Boiling Point: NE **Freezing/Melting Point:** NE
Solubility in Water: Miscible **Specific Gravity:** 0.847 (H₂O = 1)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable
Conditions to Avoid: Do not use or store near heat, open flame or any ignition source.
Incompatibility (Material to Avoid): Not compatible with strong acids or bases. Not compatible with strong oxidizers.
Hazardous Polymerization: No

SECTION 11. TOXICOLOGICAL INFORMATION

EMERGENCY OVERVIEW

CAUTION: causes eye irritation. May cause skin irritation. May be harmful if absorbed through skin. May be harmful if swallowed. Vapors may be harmful if inhaled. Avoid contact with eyes, skin and clothing. ALWAYS wear safety glasses and appropriate personal protective equipment when handling this product.

ACUTE

Eyes: Can cause temporary irritation, tearing and blurred vision. Produce conjunctival irritation in 6/6 albino rabbit eyes. No irritation was observed by 7 days. No iritis or corneal opacity was observed during the observation period.
Skin: Can be harmful if absorbed through skin. May cause skin irritation. Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis. Produced a primary skin index of 2.17 in albino rabbits. Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Not considered to be a dermal sensitizer to albino guinea pigs.
Ingestion: May be harmful if swallowed. Can cause stomach irritation, resulting in nausea, cramps and vomiting. Acute oral LD₅₀ > 5,000 mg/kg (rabbits).
Inhalation: Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Acute inhalation LC₅₀ > 7.6 mg/L (rats exposed to 4 hrs to test atmosphere.)

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 and aquatic invertebrates. 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.

Container Disposal: Dispose of container in accordance with all Federal, state and local regulations. Do not re-use empty container. Wrap in several layers of newspaper and discard in trash.

Waste Disposal: This product should be disposed of according to local, state and Federal regulations. When disposing of waste or surplus, avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles.

SECTION 14. TRANSPORT INFORMATION

DOT, ICAO/IATA (Air), IMO/IMDG (Vessel)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

DOT Hazard Class: NA (not considered hazardous under the regulations of any of the listed regulatory agencies).

SECTION 15. REGULATORY INFORMATION

CERCLA

This formulation contains no components that are subject to emergency requirements under CERCLA Section 103(a) (40 CFR 302.4).

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

SARA TITLE III SECTION 313 CHEMICALS

This product contains no 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.

SARA TITLE III SECTION 302/304 EMERGENCY PLANNING

There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

TSCA

All substances found in this product comply with the TSCA inventory reporting requirements.

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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