

# MATERIAL SAFETY DATA SHEET

## PRESCRIPTION TREATMENT® brand 250 PROPOXUR 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 250 PROPOXUR Residual Insecticide  
**EPA Reg. No.:** 499-501  
**Product Code(s):** 02-0224 (12 x 17.5 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 (1.0%)	%	CAS NO.
Propoxur	1.0%	114-26-1
OTHER INGREDIENTS* (99.0%)	%	CAS NO.
Isopropanol, Anhydrous	proprietary	67-63-0
Petroleum Distillate	> 10%	64742-47-8

\* 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
Propoxur	NE	0.5 mg/m <sup>3</sup>	NE	0.5 mg/m <sup>3</sup>
Isopropanol, Anhydrous	500 ppm	400 ppm	500 ppm	400 ppm
Petroleum Distillate	NE	5000 ppm	30000 ppm	5000 ppm

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

Inhalation, dermal absorption or ingestion of the active ingredient of this product may result in systemic intoxication due to inhibition of the enzyme cholinesterase. The sequence of development of systemic effects varies with the route of entry, and the onset of symptoms may be delayed an hour or more. First symptoms of poisoning may be nausea, increased salivation, lacrimation, blurred vision and constricted pupils. Other symptoms of systemic poisoning include vomiting, diarrhea, abdominal cramping, dizziness and sweating.

#### NOTES TO PHYSICIAN

Product contains petroleum distillate - vomiting may cause aspiration pneumonia. Product contains cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic substances.

#### 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.

**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.

**Note to Physician:** Product contains petroleum distillate - vomiting may cause aspiration pneumonia. Product contains cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**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

**Flash Point:** NE

**Flame Projection:** 0"

**Explosibility Limits in Air (% by volume):**

Lower (LEL) = NE      Upper (UEL) = NE

**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:** Foam or dry chemical.

**Special Fire Fighting Procedures:** Use water spray to cool containers exposed to fire and to protect personnel.

### 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 no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals. 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 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, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not smoke while using. Provide adequate ventilation of treatment area. Do not allow children or pets in treated areas until surfaces have dried.

#### OTHER PRECAUTIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks, open flame or pilot lights. 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 or open flame and inaccessible to children.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required when used according to label directions. 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.

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**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.

### VENTILATION

**Local Exhaust:** None required.

**Mechanical:** None required.

**Special:** None required.

**Other:** Provide adequate ventilation of treatment area.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Solubility in Water:** NE

**Viscosity:** 1.92 cps @ 23° C

**Boiling Point:** NE

**pH:** 7.09 @ 23° C (1% in H<sub>2</sub>O)

**Odor:** Isopropanol odor

**Vapor Pressure:** NE

**Vapor Density:** NE

**Freezing/Melting Point:** NE

**Density:** 0.793 g/ml @ 20° C

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None known.

**Incompatibility (Material to Avoid):** Avoid caustics, amines, alkanolamines, aldehydes, strong oxidizing agents and chlorinated compounds.

**Hazardous Polymerization:** Will not occur.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic substances.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

**Primary:** Skin

**Secondary:** Ingestion

**Tertiary:** Inhalation

#### ACUTE TOXICOLOGY

**Eyes:** Considered mildly irritating. Produced conjunctival irritation clearing within 72 hours. No corneal opacity or iritis was observed.

**Skin:** Not considered to be a skin sensitizer. Acute dermal toxicity (LD<sub>50</sub>) > 5,000 mg/kg (rats). Primary skin irritation index = 3.8 (albino rabbits).

**Ingestion:** Acute oral toxicity (LD<sub>50</sub>) > 500 mg/kg but < 5,000 mg/kg (rats).

**Inhalation:** Acute inhalation toxicity (LC<sub>50</sub>) > 2.11 mg/L.

#### CHRONIC EFFECTS OF EXPOSURE

Repeated exposure to small amounts of the active ingredient in this product may result in an unexpected cholinesterase depression causing symptoms such as malaise, weakness, and anorexia that resemble other illnesses such as influenza. Exposure to the concentration that would not have produced symptoms in a person that was not previously exposed may produce severe symptoms of cholinesterase inhibition in a previously exposed person.

#### 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). High doses of Propoxur induced bladder cancers when fed to rats in one study. Cancer was not induced in several other feeding studies on rats and other animals. The implication of these studies for humans are not known.

### SECTION 12. ECOLOGICAL INFORMATION

This product is toxic to fish and 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 washwaters.

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.

### 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.

**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:** Not required.

**UN Packaging:** Not required.

#### 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:** Not required.

**UN Packaging:** Not required.

#### SHIPMENT BY AIR (IATA CLASSIFICATION)

**Proper Shipping Description:** Aerosols, 2.1, UN 1950

**Package Marking:** "Aerosols, UN 1950, Ltd. Qty."

**Package Labeling:** Flammable Gas

**UN Packaging:** Not required.

**Other Requirements:** 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  
Flammability 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 372.1

Propoxur 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 - 2 FLAMMABILITY - 4 REACTIVITY - 1

#### HMIS HAZARD RATING INFORMATION

HEALTH - 2 FLAMMABILITY - 4 REACTIVITY - 1

KEY: 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

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