

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 250 Propoxur

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
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 INGREDIENT (1.0%)	%	CAS NO.
Propoxur	1.0	114-26-1
OTHER INGREDIENTS* (99.0%)	%	CAS NO.
2-propanol	proprietary	67-63-0
Petroleum Distillate	>10.0	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 ³	NE	0.5mg/ m ³
2-propanol	NE	400 ppm	500 ppm	400 ppm
Petroleum Distillate*	NE	500 ppm	NE	NE

* TWA recommended by ingredient supplier = 166 ppm.

SECTION 3. HAZARDS IDENTIFICATION

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.

SIGNS/SYMPTOMS OF EXPOSURE

Causes moderate eye irritation.

SIGNS/SYMPTOMS OF CHOLINESTERASE DEPRESSION

Excessive exposure may cause signs of cholinesterase depression. Symptoms include discomfort or tightness in chest, difficulty in breathing, stomach pains, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils or blurred vision. Symptoms may not occur until 1 - 12 hr after exposure. **NOTE:** When used according to label directions, this level will not be attained.

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.

Eye Contact: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

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. Call a poison control center or doctor for further 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 (TCC): NE

Flame Projection: 0"

Explosibility Limits of Propellant in Air (% by volume):

Lower (LEL) = NA Upper (UEL) = NA

NFPA 30B Flammability: Level 3 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 the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemical *Propoxur* which has a reportable quantity (RQ) of 100 lbs. A release of more than 9,625 lbs of this product (approx. 8,700 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 are recommended.

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: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces, or when prolonged exposure to product vapor or spray mist may occur. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. 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. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

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. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Do not allow children or pets in treated areas until surfaces are dry.

USER SAFETY RECOMMENDATIONS

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. 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 or confined areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an R or P prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

Protective Gloves: Chemical-resistant gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection - safety glasses are recommended.

Other Protective Equipment: None required

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand 250 Propoxur

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: NA
Viscosity: 1.92 cps @ 23°C
Boiling Point: NE
pH: 7.09 @ 23°C (1% in water)

Odor: 2-propanol odor
Vapor Pressure: NE
Vapor Density: NE
Freezing/Melting Point: NE
Density: 0.793 g/ml @ 20°C (H₂O = 1.0)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite when used according to label directions.
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

Eyes: Product is a mild eye irritant to rabbit eyes. Produced conjunctival irritation clearing within 72 hr. No corneal opacity or iritis was observed.
Skin: Product is irritating to the skin. Acute dermal LD₅₀ > 5,000 mg/kg (rats). Primary skin irritation index = 3.8 (rabbits). Product is not a sensitizer when tested on guinea pigs.
Ingestion: Acute oral toxicity LD₅₀ > 500 mg/kg but < 5,000 mg/kg (rats).
Inhalation: Unlikely due to product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity LC₅₀ > 2.11 mg/L (rats).

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.

This product contains *Propoxur*, a chemical known by the state of California to cause cancer.

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.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste 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 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: None required

Certified Packaging: None required

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Packages offered or intended for other modes of transportation are subject to additional requirements. Consult an appropriately trained shipping professional before offering for shipment.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains the CERCLA listed chemical *Propoxur* which has a reportable quantity (RQ) of 100 lbs.

SARA TITLE III SECTIONS 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 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:

Immediate (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:

Propoxur 1.0% by weight

CALIFORNIA SAFE DRINKING AND TOXIC ENFORCEMENT ACT (PROP 65)

This product contains Propoxur, a chemical known to the state of California to cause cancer.

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 - 3 REACTIVITY - 1

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

HMIS HAZARD RATING SYSTEM

HEALTH - 2 FLAMMABILITY - 3 REACTIVITY - 1

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 hr)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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