

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 ULD® HydroPy-300® Pyrethrin Concentrate

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand ULD® HydroPy-300®
Pyrethrin Concentrate
499-427
EPA Reg. No.:
Product Code(s): 02-4850 (4 x 1 gal)
02-4851 (1 x 30 gal)
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 (19.0%)	%	CAS NO.
Pyrethrins	3.0	8003-34-7
Piperonyl butoxide, technical	6.0	51-03-6
n-Octyl bicycloheptene dicarboximide	10.0	113-48-4

OTHER INGREDIENTS* (81.0%)	%	CAS NO.
n-Butyl Alcohol	1.98 (max)	71-36-3

* 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	10 mg/m ³	5 mg/m ³
Piperonyl butoxide, technical	NE	NE	NE	NE
n-Octyl bicycloheptene dicarboximide	NE	NE	NE	NE
n-Butyl Alcohol	NE	50 ppm	NE	50 ppm

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes causes moderate irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Product spray mist, fog or vapor may cause irritation to nose, throat and lungs.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion and miscellaneous organic compounds, some of which may be toxic. May also produce oxides of sulfur.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Vapor may travel a considerable distance to a source of ignition and flash back.

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.

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.

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.

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.

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.

Note to Physician: None

Medical Conditions Generally Aggravated by Exposure: Overexposure may aggravate disorders of the eyes, respiratory system and skin.

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Tag Open Cup): >200°F
Explosibility Limits in Air (% by volume):
Lower (LEL) = NE Upper (UEL) = NE

NFPA 30B Flammability: NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Vapor may travel a considerable distance to a source of ignition and flash back.

IN CASE OF FIRE

Extinguisher Media: Foam, Dry Chemical, Carbon Dioxide, Water

Special Fire Fighting Procedures: None required – water based product

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and use absorbent material to collect and contain for salvage or disposal. Ventilate area. Do not let spilled or leaking material enter watercourse. May be toxic to aquatic life. This product contains the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals Pyrethrins which has a reportable quantity (RQ) of 1 lb and *n-Butyl Alcohol* which has a reportable quantity (RQ) of 5,000 lbs. A release of more than 33 lbs of this product (approx. 4 gal) 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 absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.

OTHER PRECAUTIONS

Do not apply directly to food. Do not apply space or ULV spray while food processing is underway. In the home, cover all food processing surfaces, dishes and utensils in the treatment area or thoroughly wash before use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying. In health care facilities or schools, remove patients or students prior to treatment. Thoroughly ventilate treated area for two hours before reoccupying. Do not use this product in or on electrical equipment do to the possibility of shock hazard.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE

Do not contaminate water, food or feed. Store in original container in secured dry storage area. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing.

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand ULD® HydroPy-300® Pyrethrin Concentrate

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required for typical use exposure. See Section 6 for atypical exposure.

Protective Gloves: None required. 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

VENTILATION

Local Exhaust: None required

Mechanical: Provide adequate ventilation of treatment area.

Special: None required

Other: Ventilate area before reentering.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid

Solubility in Water: Miscible

Viscosity: 6.58 cps @ 68°F

Boiling Point: NE

pH: 5.24

Odor: Characteristic pyrethrum odor

Vapor Pressure: NE

Vapor Density: NE

Freezing/Melting Point: NE

Density: 0.9877 g/cm³ @ 68°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable

Conditions to Avoid: Heat, heated surfaces, electrical arcs, sparks and flames

Incompatibility (Material to Avoid): Inorganic acids and bases. Avoid contact with bleaching agents and oxidizers.

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion and miscellaneous organic compounds, some of which may be toxic. May also produce oxides of sulfur.

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: Product is slightly irritating to skin. Prolonged or repeated skin contact may cause irritation. Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Primary skin irritation index = 1.08 (rabbits). Product is a skin sensitizer to albino guinea pigs.

Ingestion: Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats).

Inhalation: Product spray mist, fog or vapor may cause irritation to nose, throat and lungs if adequate ventilation is not employed. Acute inhalation LC₅₀ > 4.1 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 product is toxic to fish. For terrestrial uses: 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 when disposing of equipment wash waters or rinsate.

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: Empty container by using the product according to the label directions. Do not reuse this container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

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

DOT CLASSIFICATION (≤ 4 GAL)

Proper Shipping Description: Liquid Insecticide (Not Regulated)

Hazard Class: NA

DOT CLASSIFICATION (> 4 GAL)

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.

Hazard Class: 9

UN I.D. NO.: UN 3082

Packing Group: III

Proper Shipping Description: Environmentally Hazardous Substance, Liquid, N.O.S., 9, UN 3082, PG III, RQ (Pyrethrins)

Package Labeling: Class 9 (Misc. Hazard)

Package Marking: Environmentally Hazardous Substance, Liquid, N.O.S. (Pyrethrin), UN 3082, RQ

Other Requirements: UN approved packaging 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 *Pyrethrins* which has a reportable quantity (RQ) of 1 lb and *n-Butyl Alcohol* which has a reportable quantity (RQ) of 5,000 lbs.

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:

Immediate (Acute) Health 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 (CAS #51-03-6)

6.0% by weight

n-Butyl Alcohol (CAS #71-36-3)

1.98% 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 - 1 REACTIVITY - 1

HMIS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 1

KEY: 4 = Severe
3 = High
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. **For automatic MSDS updates, register at www.wmmg.com.**

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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