

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand ULD® BP-300 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 ULD® BP-300 Contact Insecticide Formula 1
EPA Reg. No.: 499-450
Product Code(s): 02-4939 (12 x 24 oz.) 02-4933-1 (1 x 2.5 gallons)
02-4937 (12 x 34 oz.) 02-4933 (2 x 2.5 gallons)
02-4931 (4 x 1 gallon) 02-4934 (1 x 55 gallons)
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.
Petroleum Distillate	> 10.0%	64742-47-8

EXPOSURE INFORMATION

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Pyrethrins	NE	NE	NE	NE
Piperonyl Butoxide, Technical	NE	NE	NE	NE
N-octyl bicycloheptene dicarboximide	NE	NE	NE	NE
Petroleum Distillate*	NE	NE	NE	NE

* TWA recommended by ingredient supplier = 300 ppm.

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes can cause irritation. Prolonged or repeated contact with product may cause irritation. Product spray mist, fog or vapor may cause irritation to nose, throat and lungs. If taken internally, aspiration of liquid product may cause pneumonitis.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Material can accumulate static charges which can cause an incendiary electrical discharge. Liquid runoff to sewers may create fire/explosion hazard.

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.

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: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (TCC): 191° F

Explosibility Limits in Air (% by volume):

Lower (LEL) = NE

Upper (UEL) = NE

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Material can accumulate static charges which can cause an incendiary electrical discharge. Liquid runoff to sewers may create fire/explosion hazard.

IN CASE OF FIRE

Extinguisher Media: Foam, Dry Chemical, water

Special Fire Fighting Procedures: Treat as an oil fire. Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and absorb with oil-dry or similar inert material. Sweep or scrape up and containerize. 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 chemical *Pyrethrins* which has a reportable quantity (RQ) of 1 lb. A release of more than 4.2 gallons of this product is reportable to the National Response Center (800-424-8802).

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

PROTECTIVE EQUIPMENT

Eyes: Wear splash proof goggles.

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

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. 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. Do not remain in enclosed areas after use. Remove pets, birds, cover fish aquariums and turn off air pump motor before spraying.

OTHER PRECAUTIONS

In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area for two hours before returning patients. Some furniture finishes, and particularly plastics, can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE

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

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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 prefilter 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: Wear splash proof goggles.

Other Protective Equipment: Rubber boots, full legged pants, long sleeve shirts. Launder contaminated equipment or clothing before reuse.

VENTILATION

Local Exhaust: Do not remain in enclosed areas without appropriate respiratory protection.

Mechanical: Provide adequate ventilation of treatment area.

Special: None required.

Other: Ventilate area before reentering.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellow liquid.

Odor: Mild solvent odor.

Solubility in Water: Negligible

Vapor Pressure: < 0.1 mmHg @ 70°F

Viscosity: 3.97 cps

Vapor Density: 6.0 (air = 1.0)

Boiling Point: > 200° F

Freezing/Melting Point: NE

pH: NE

Density: 0.83 g/ml @ 20° C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable.

Conditions to Avoid: None known.

Incompatibility (Material to Avoid): Strong oxidizing agents.

Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produced normal products of combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Inhalation

Secondary: Skin

Tertiary: Ingestion

ACUTE

Eyes: Direct contact with eyes can cause irritation.

Skin: Prolonged or repeated contact of product with skin may cause irritation. Acute dermal toxicity LD₅₀ > 2,000 mg/kg (rabbits).

Ingestion: If taken internally, aspiration of liquid product can cause chemical pneumonitis. 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 > 7.7 mg/L (rats).

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. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing 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.

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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 (One Gallon and Under): Dispose of container in accordance with all Federal, state and local regulations. Do not reuse empty container. Wrap container and put in trash.

Container Disposal (Over One Gallon): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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, IMDG & ICAO/IATA CLASSIFICATION (4 GALLONS OR LESS)

Proper Shipping Description: Liquid Insecticide (Not Regulated)

Hazard Class: NA

DOT, IMDG & ICAO/IATA CLASSIFICATION (MORE THAN 4 GALLONS)

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, NOS (Pyrethrin), 9, UN 3082, PG III, RQ

Package Labeling: Class 9 (Misc. Hazard)

Package Marking: Environmentally Hazardous Substance, Liquid, NOS (Pyrethrin), UN 3082, RQ

ICAO/IATA Packaging Instructions: 914, ERG code 9L and Cargo only.

Other Requirements: UN approved packaging required.

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
Flammability Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Piperonyl Butoxide, Technical

6.0% 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 - 2 REACTIVITY - 0

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 2 REACTIVITY - 0

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