

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 Ultra-Pure™ Oil Horticultural Insecticide, Miticide and Fungicide

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand Ultra-Pure™ Oil Horticultural Insecticide, Miticide and Fungicide
EPA Reg. No.: 69526-5-499
Product Code(s): 09-2307 (2 x 2.5 gal)
 09-2308 (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 (98.0%)	%	CAS NO.
Petroleum Oil, Mixture of severely hydrotreated and hydrocracked base oil	98.0	Mixture

The base oil may be a mixture of the following CAS#s: 8042-47-5, 64742-46-7, 64742-52-5, 64742-54-7, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-64-0, 178603-65-1, 178603-66-2, 445411-73-4

OTHER INGREDIENTS* (2.0%)	%	CAS NO.
Other proprietary, non-hazardous additives	2.0	Mixture

* 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
Petroleum Oil	NE	NE	10 mg/m ³	5 mg/m ³
Other proprietary, non-hazardous additives	NE	NE	NE	NE

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

SIGNS/SYMPTOMS OF EXPOSURE

Slightly irritating to eyes and skin. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated skin exposure can produce local skin destruction or dermatitis.

ROUTES OF ENTRY

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

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion, such as carbon monoxide, carbon dioxide, smoke and irritating vapors when heated to decomposition.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Low fire hazard. This material must be heated before ignition will occur. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. In a fire or if heated, a pressure increase will occur and the container may burst.

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: 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.

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.

Protection of First Aid Personnel: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Note to Physician: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

Medical Conditions Generally Aggravated by Exposure: Repeated skin exposure can produce local skin destruction or dermatitis.

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

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (Open Cup): 343.4°F (Cleveland)

Explosibility Limits in Air (% by volume):

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

NFPA 30B Flammability: NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Low fire hazard. This material must be heated before ignition will occur. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. In a fire or if heated, a pressure increase will occur and the container may burst.

IN CASE OF FIRE

Extinguisher Media: Use an extinguishing agent suitable for the surrounding fire.

Special Fire Fighting Procedures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources. Stop leak if safe to do so. Dike spilled material. Do not let spilled or leaking material enter sewers, streams, rivers or other water courses. Use appropriate inert absorbent material e.g. sand, earth, vermiculite, or diatomaceous earth to absorb spilled material. Collect and containerize for later disposal.

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 are recommended. Safety goggles and/or face shield may be appropriate in some instances.

Skin: Wear long-sleeved shirt and long pants, chemical resistant gloves (such as Barrier Laminate, Nitrile rubber, Butyl rubber, Neoprene rubber or Viton). When handling hot product ensure gloves are heat resistant and insulated. Also wear shoes plus socks. (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 or absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. This product is a potential skin sensitizer. Causes moderate eye irritation. Avoid contact with eyes, skin, and clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

USER SAFETY RECOMMENDATIONS

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

OTHER PRECAUTIONS

Do not allow children or pets to enter the treated area until sprays have dried. Do not apply this product through any type of irrigations system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Personnel who handle this material should practice good personal hygiene during and after handling to help prevent accidental ingestion of this product. Properly dispose of contaminated leather articles including shoes that cannot be decontaminated.

Do not apply this product aerially.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE

Do not contaminate water, food or feed. Keep container tightly closed. Store in original container only. Store in a cool, dry place and avoid excess heat. Keep out of reach of children and animals.

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Ultra-Pure™ Oil Horticultural Insecticide, Miticide and Fungicide

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hr. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: For prolonged exposure or if used in enclosed or confined areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training, and testing requirements.

Protective Gloves: Wear chemical-resistant gloves (such as Barrier Laminate, Nitrile rubber, Butyl rubber, Neoprene rubber or Viton). (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 are recommended. Safety goggles and/or face shield may be appropriate in some instances.

Other Protective Equipment: Long-sleeved shirt, long pants and shoes plus socks. Launder contaminated equipment or clothing before reuse.

Restricted Entry Interval (REI): PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil or water, is: coveralls over long-sleeved shirt and long pants, shoes and socks and chemical-resistant gloves (such as Nitrile, Butyl, Neoprene, and/or Barrier laminate).

VENTILATION

Local Exhaust: None required

Mechanical: None required

Special: None required

Other: Provide adequate ventilation to treatment area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow viscous liquid **Odor:** No odor or slight petroleum odor

Solubility in Water: Easily dispersed, but is insoluble **Vapor Pressure:** NE

Viscosity: 9.6 cSt @ 104°F, 2.5 cSt @ 212°F

Boiling Point: NA

pH: NA

Vapor Density: NA

Freezing/Melting Point: NE

Density: 7.12 lbs/gal @ 59°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable under normal handling and storage conditions.

Conditions to Avoid: High heat or open flame

Incompatibility (Material to Avoid): Oxidizing agents, acids and alkalis

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to fire, produces normal products of combustion, such as carbon monoxide, carbon dioxide, smoke and irritating vapors when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Skin

Secondary: Ingestion

Tertiary: Inhalation

ACUTE

Eyes: Slightly irritating

Skin: Slightly irritating to skin. Acute dermal LD₅₀ > 2,000 mg/kg (rabbits).

Ingestion: Ingestion of this product may lead to aspiration of the liquid, especially if vomiting occurs. This may result in chemical pneumonitis (inflammation of the lungs) and/or pulmonary edema (an accumulation of fluid in the lungs). Acute oral toxicity LD₅₀ > 2,000 mg/kg (rats).

Inhalation: No known significant effects or critical hazards. Acute inhalation LD₅₀ > 5 mg/L/4hr (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. 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. Apply this product only as specified on the label.

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 in accordance with the label directions. **Metal:** 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. Do not cut or weld metal containers. **Plastic:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. 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. NEVER PLACE WASTE DOWN ANY INDOOR OR OUTDOOR DRAIN!

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Liquid Insecticide (Not Regulated)

Hazard Class: NA

SHIPMENT BY WATER OR AIR (IMDG & ICAO/IATA CLASSIFICATION)

No information available.

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. Consult appropriately trained shipping professional before offering for shipment by water or air.

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 and does not fall into any 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
Flammability Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

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 - 0

HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0
PERSONAL PROTECTION - B

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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