

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122-6682
EFFECTIVE DATE: FEBRUARY 8, 2001

Prescription Treatment® brand

Ultra-Fine® Oil

All Season Horticultural Insecticide, Miticide and Fungicide

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)

EMERGENCY PHONE NUMBERS:

MEDICAL: (800) 225-3320 PROSAR

TRANSPORTATION: (800) 424-9300 CHEMTREC

EPA REG. NO.: 862-23-499

SECTION 1: HAZARDOUS INGREDIENTS

Solvents & Inert Ingredients:	OSHA	ACGIH	OSHA PEL
	TWA/STEL	TWA/STEL	ACGIH TLV
Refined Light Paraffinic Petroleum Oil: 90-100% CAS #64741-89-5	5mg/M ³	5mg/M ³	5mg/M ³ (oil mist)
Alkyl Aryl Polyoxyethoxy Ethanol Nonionic Surfactant: 0-1.0%		No specific limit.	
Alkyl Phenol Coupler: 0-1.0%		No specific limit.	
All components of this product are listed or excluded from listing on the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.			

SECTION 2: PHYSICAL DATA

Boiling Point: NE	Melting Point: NE
Specific Gravity (H₂O = 1): 0.86	Viscosity: 68 SUS @ 100°F, 11.6 CsT @ 40°C
Percent Volatile: Nil.	Solubility in Water: Nil.
Vapor Pressure: < 0.0001 (mmHg @ 20°C)	Appearance and Odor: Colorless fluid. Little odor.
Vapor Density (Air = 1): 8+	
pH: NA	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint/Method: 340°F min./COC
Autoignition Temp.: 650°F Est.
Flammable Limits: ND
Extinguishing Media: CO₂; Dry Chemical; Foam; Water spray
Special Firefighting Procedures: Wear structural fire fighting gear. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire and Explosion Hazards: None known.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE

Routes of Entry:

Inhalation?	Skin?	Ingestion?
X	X	X

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:

Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. The LC₅₀ has not been established.

Skin: Practically non-toxic if absorbed through the skin (Dermal LD₅₀ > 5000 mg/kg). Substance does not generally irritate and is only mildly irritating to the skin. Draize skin irritation score is: 1.84 out of 8.0.

Eye: Substance causes slight eye irritation.

Ingestion: Practically non-toxic if ingested. Product may be harmful or fatal if swallowed. Material is a pulmonary aspiration hazard. Material can enter lungs and cause damage. Oral LD₅₀ > 30,000 mg/kg.

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Inhaled: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get medical attention.

If on Skin: Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse.

If in Eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

If Swallowed: Do not induce vomiting! Do not give liquids! Get medical attention immediately.

Medical Conditions Generally Aggravated by Exposure: Disorders or diseases of the skin, respiratory system, and lung (e.g. asthma-like conditions).

SECTION 5: REACTIVITY DATA

Stability: Stable.

Incompatible Materials: Strong oxidizers.

Conditions to Avoid: Heat, sparks and open flame.

Hazardous Decomposition Products: Combustion may produce carbon monoxide and other asphyxiants.

Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 7. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

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

SECTION 6: SPILL OR LEAK PROCEDURES (cont'd.)

Waste Disposal Method: Follow federal, state and local regulations. This material is not a RCRA hazardous waste, if not contaminated. If material has been "used", RCRA criteria (ignitability, reactivity, corrosivity and toxicity) must be determined. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

In case of spillage, this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

SECTION 7: SPECIAL PROTECTION INFORMATION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use with adequate ventilation.

Eye Protection: Splash proof chemical goggles are recommended to protect against splash of product.

Gloves & Hand Protection: Recommended when prolonged skin contact cannot be avoided. The following glove materials may provide protection against permeation: Polyvinyl chloride (PVC); Polyvinyl alcohol (PVA); Neoprene; Nitrile; Viton. Gloves of other chemically resistant materials may not provide adequate protection.

Respiratory Protection: Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Respiratory protection is not usually needed unless product is heated or misted. Half-mask air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full face air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator of SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Other Protective Equipment: Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required. The following materials are acceptable for use as protective clothing: Polyvinyl chloride (PVC); Polyvinyl alcohol (PVA); Neoprene; Nitrile; Viton; Polyurethane. Remove contaminated clothing and wash before reuse.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: *Hazards to Humans and Domestic Animals:*

Keep out of reach of children. Avoid breathing (dust, vapor, mist gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.

Environmental Hazards: This material is expected to be toxic to aquatic organisms.

Storage: Store in a cool, dry place. Keep container closed when not in use. NFPA Class IIIB Storage. Flash point is greater than 200°F.

SECTION 9: HEALTH RATING INFORMATION

	Health	Flammability	Reactivity
NFPA	0	1	0
HMIS	0	1	0

SECTION 10: REGULATORY INFORMATION

SARA Title III Classifications Sections 311, 312:

Acute: Yes
Sudden Release of Pressure: No

Chronic: No
Fire: No
Reactivity: No

SARA Title III Section 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by weight
This product contains no Section 313 chemicals.		

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: Petroleum Oil NOIBN

Hazard Class: Not regulated.

UN I.D. No.: Not regulated.

NA - Not Applicable
ND - Not Determined
NE - Not Established
PEL - Permissible Exposure Limit
ACL - Acceptable Ceiling Level
MPC - Maximum Peak Concentration

Product Code: 09-2300 (2.5 gal.)
09-2301 (30 gal.)
Prepared by: Dana M. Thomas

