

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122-6682
EFFECTIVE DATE: OCTOBER 28, 1998

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 TWA/STEL	ACGIH TWA/STEL	OSHA PEL 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 Monionic 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

50% Distillation Point of Paraffinic Oil: 65°F max.	Viscosity: 68 SUS @ 100°F, 11.6 CST @ 40°C
Specific Gravity (H₂O = 1): 0.86	Evaporation Rate (Ethyl Ether = 1): 1000X slower
Percent Volatile: Nil.	Solubility in Water: Nil.
Vapor Pressure: < 0.0001 (mm HG @ 20°C)	Appearance and Odor: Colorless fluid. Little odor.
Vapor Density (Air = 1): 8+	
pH: NA	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 340°F min. COC; 172°C min. COC
Autoignition Temp.: 650°F Est.; 343°C Est.
Flammable Limits: ND
Extinguishing Media: CO₂; Dry Chemical; Foam; H₂O
Special Firefighting Procedures: Wear self-contained breathing apparatus. Wear structural firefighters' protective clothing.
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:

Ingestion & Inhalation: DANGER! Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter lungs and cause damage. Practically non-toxic (LD₅₀ > 15,000mg/kg). Estimated oral LD₅₀ > 30,000mg/kg (rats). Excessive exposure may cause irritation to eyes, nose, throat, lungs; respiratory tract.

Skin: Practically non-toxic if absorbed (LD₅₀ > 2000 mg/kg). May cause mild irritation with prolonged or repeated contact. Draize skin irritation score is: 1.84 out of 8.0. Estimated dermal LD₅₀ > 5000mg/kg (rabbits).

Eye: Contact with the eye may cause minimal irritation. Draize eye irritation scores are: 6.7, 0.0, 0.0, 0.0 out of 110.0 at 1, 24, 48 and 72 hours.

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Inhaled: Move person to fresh air.

If on Skin: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

If in Eyes: Flush with water.

If Swallowed: Do not induce vomiting! Do not give liquids! Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

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

SECTION 5: REACTIVITY DATA

Stability: Stable.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition: Combustion will produce carbon monoxide and asphyxiants.

Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Use personal protective equipment stated in Section 7. Advise EPA; State Agency if required. Absorb on inert material. Shovel, sweep or vacuum spill.

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

Waste Disposal Method: Open dumping is prohibited. Pesticide, spray mixture or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides. Consult Federal, State or Local authorities for approved alternative procedures. Not a RCRA Hazardous Waste if uncontaminated. If "used," RCRA criteria (ignitability, reactivity, corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service. Do not contaminate water, food or feed by disposal. 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

Respiratory Protection: Usually not needed unless product is heated or misted. Concentration in air determines protection needed. Follow guidelines established by MSHA/NIOSH.

Ventilation: Ventilate as needed to comply with exposure limit.

Protective Gloves: Recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: PCV; PVA; Neoprene; Nitrile; Viton.

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

Other Protective Equipment: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: PVC; PVA; Neoprene; Nitrile; Viton; Polyurethane; Launder soiled clothes.

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 prolonged breathing of spray mist or vapor. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.

Environmental Hazards: This product is toxic to fish.

Storage: Keep in cool, dry place. Keep container tightly closed. NFPA Class IIIB Storage. Do not contaminate water, food or feed by storage.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 0 Flammability - 1 Reactivity - 0

SECTION 10: SARA TITLE III/SEC. 313 SUPPLIER NOTIFICATION

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