

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: SEPTEMBER 4, 1991

WHITMIRE
PT® 280 Orthene

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)
(314) 576-0120 AFTER HOURS
EMERGENCY PHONE NUMBER
(800) 424-9300 CHEMTREC
EPA REG. NO.: 499-230

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
Orthene (Acephate): 1.0% (CAS #30560-19-1)	NE	NE	NE
Solvents & Propellants: 99.05%			
1,1,1 Trichloroethane: (CAS #71-55-6)	350 ppm	450 ppm	350 ppm
Carbon Dioxide: (CAS #124-38-9)	5000 ppm	30000 ppm	5000 ppm

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: NA	Evaporation Rate: NA
Specific Gravity: (H ₂ O = 1): 1.3	Solubility in Water: Insoluble
Vapor Pressure: 100 psig @ 70°F	Appearance and Odor: Sprays as strong mist with characteristic Orthene odor.
Percent Volatile: 99%	
Vapor Density: NA	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: None (FIFRA Method 807.3) (Aerosol Concentrate)
NFPA 30B Flammability: Level I Aerosol
Flammable Limits: NA
Extinguishing Media: CO₂; Dry Chemical; Foam
Special Firefighting Procedures: None required.
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE

Routes of Entry:

Inhalation?	Skin?	Ingestion?
Secondary	Primary	Tertiary

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

Eyes: May produce eye irritation. Produced moderate reversible irritation in rabbits.

Skin: Prolonged exposure may cause skin irritation. Excessive exposure may produce signs of cholinesterase depression (see below). Primary dermal irritation index (rabbits) = 4.48. Acute dermal toxicity - Dermal LD₅₀ > 2,000 mg/kg.

Ingestion & Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Excessive exposure may produce signs of cholinesterase depression. Minimal anesthetic or narcotic effects may be seen in the range of 500 to 1000ppm 1,1,1 trichloroethane. When used according to label directions, this level will not be attained.

Signs of Cholinesterase Depression: Discomfort or tightness in chest, difficulty in breathing. Stomach pains, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, nonactive pinpoint pupils or blurred vision. Symptoms may not occur until 1-8 hours after exposure.

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Swallowed: Call a physician or poison control center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove patient to fresh air. Seek medical attention if poisoning symptoms occur.

If on Skin: Remove contaminated clothing and wash affected skin areas with plenty of soap and water. Seek medical attention if irritation persists or poisoning symptoms occur.

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

If Poisoning Symptoms Occur: Remove patient from area where pesticide is present. Call physician. Atropine is antidote--consult physician for an emergency supply if competent personnel are available to administer Atropine. Also, 2-PAM is antidotal and may be used in conjunction with Atropine. Artificial respiration may also be required. Seek medical attention if irritation persists. May be absorbed through skin. Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5: REACTIVITY DATA

Stability: Indefinite when used according to label directions.
Conditions to Avoid: Do not spray into open flame or onto very hot surfaces.
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: Thermal decomposition in open flame will result in halogen acids and carbon dioxide.
Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: If container begins to leak (through puncture, etc.) allow it to discharge completely in a well ventilated area, then dispose of in a safe place. In case of spillage on skin, wash thoroughly with soap and water. Consult physician immediately if illness occurs.
Emergency Telephone Number of Chemtrec: (800) 424-9300

(for transportation spills)

Waste Disposal Method: Aerosol cylinder is not refillable. Do not attempt to recharge. When cylinder is exhausted, discard in a safe place. Do not throw into fire. 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: None required if used according to label directions. Avoid breathing spray mist. If exposure guidelines are exceeded, use an approved air purifying respirator.

Ventilation:

Local Exhaust: None required. Mechanical: None required.

Special: None required. Other: Provide adequate ventilation of treatment area.

Protective Gloves: None required - avoid contact with skin.

Eye Protection: None required. Safety glasses or goggles are recommended, however.

Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Keep out of reach of children. Contents under pressure. Do not puncture. Do not store near heat or open flame. Exposure to temperatures above 130°F may cause bursting.
Other Precautions: Wash thoroughly after using. Avoid contamination of food, utensils and food preparation areas.

SECTION 9: HEALTH RATING INFORMATION (NEPA)

Health - 1 Flammability - 0 Reactivity - 1

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
71-55-6	1,1,1-Trichloroethane	94.8%

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

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

PT® 280 Orthene
Product Code: 02-0280
Contact: Stephen Muench
Revised: 10/96



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