MATeRIAL SAFETY DATA SHEET

WHITMIRE RESEARCH LABORATORIES, INC.
3568 TREE COURT INDUSTRIAL BLVD.
ST. LOUIS, MO 63122

EFFECTIVE DATE: MAY 12, 1995

WHITMIRE PT® 565 PLUS XLO™
Contact Insecticide

AEROSOL INSECTICIDE

SECTION 1: HAZARDOUS INGREDIENTS

Solvents & Propellants: 65.00%
Dimethyl Ether: CAS #115-10-6
Isopropanol: CAS #67-63-0
Isoparaffinic Petroleum Solvent: CAS #64742-48-9
Pyrethrins: 0.25% CAS #8003-34-7
Technical Piperonyl Butoxide: 1.00% CAS #51-03-6
N-Octyl Bicycloheptene Dicarboximide: 1.00%
CAS #113-48-4
D-Trans Allethrin: 0.25% CAS #28057-48-9

ACGIH TLV/TWA ACGIH STEL OSHA PEL OTHER
1000 ppm (estimated) NE NE NE
400 ppm 500 ppm 400 ppm 15 min. ceiling

800 ppm NIOSH

NE NE NE 5 mg/M³ 5 mg/M³

5 mg/M³ NE NE

SECTION 2: PHYSICAL DATA

BOILING POINT: NA
SPECIFIC GRAVITY (H₂O = 1): 0.85
VAPOR PRESSURE IN AEROSOL CAN: 55 psig @ 70°F
PERCENT VOLATILE: ~99%

VAPOR DENSITY: NA
EVAPORATION RATE: NA
SOLUBILITY IN WATER: Slight.
APPEARANCE AND ODOR: Sprays as a strong mist with characteristic Pyrethrin odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Flame Extension = 18" (CSMA Flame Projection Test)
FLAMMABLE LIMITS: (for Dimethyl Ether) % by volume in air - Lower 3.4, Upper 18.0
NFPA 30B FLAMMABILITY: Level I Aerosol
EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam

SPECIAL FIRE FIGHTING 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:
EYE: Product produced slight reversible conjunctival irritation in rabbits. No corneal opacity or iritis was observed.
SKIN: Prolonged exposure may cause skin irritation. Primary skin irritation index (rabbits) = 0.21; Acute Dermal Toxicity - LD₅₀ (rabbits) > 2,000 mg/kg.

INGESTION & INHALATION: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute Inhalation Toxicity - LC₅₀ (rats) > 6.33 mg/L, Acute Oral Toxicity - LD₅₀ (rats) = 4.590 mg/kg.

CARCINOGENICITY: NTP? IARC MONOGRAPH? OSHA REGULATED?
No No No

EMERGENCY AND FIRST AID PROCEDURES:
IF SWALLOWED: Call a physician or poison control center immediately. Gastric lavage is indicated. Do not induce vomiting. Vomiting may cause aspiration pneumonia.
IF INHALED: Remove patient to fresh air. Apply artificial respiration if indicated. Seek medical attention.
IF ON SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. Seek medical attention if irritation persists.
IF IN EYES: Flush with plenty of water. Seek medical attention if irritation persists.

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.

HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition in open flame may result in carbon dioxide and carbon monoxide.
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 to discharge completely in well ventilated area, then dispose in safe place. In case of spillage on skin, wash thoroughly with soap and water.
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 safe place. Do not throw in fire.

SECTION 7: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Required during any general volumetric treatment or during prolonged exposure. Use an approved pesticide respirator.
VENTILATION: LOCAL EXHAUST: None required. MECHANICAL: Provide adequate ventilation of treatment area. SPECIAL: None required. OTHER: None required.

PROTECTIVE GLOVES: None required - avoid contact with skin.
EYE PROTECTION: None required - avoid contact with eyes.
OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 8: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Contents under pressure. Do not puncture. Keep away from heat, sparks and open flame. Do not remain in treated area. Exposure to temperatures above 130°F may cause bursting. Avoid skin contact.

OTHER PRECAUTIONS: Foods or eating utensils should be removed or covered during treatment. Remove pets, birds, and cover fish bowls during treatment. Ventilate area after treatment is completed.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

HEALTH - 1 FLAMMABILITY - 2 REACTIVITY - 1

SECTION 10: SARA TITLE III/SECTION 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: 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® 565 PLUS XLO™
Prepared By: Michael G. Sarli Revised: 5/12/95