



WHITMIRE MICRO-GEN
Research Laboratories, Inc.

P/N 19-2110-D

MATERIAL SAFETY DATA SHEET

HITMIRE MICRO-GEN RESEARCH LABS, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: DECEMBER 26, 1995

[PT® 2100 TR Preclude®
Total Release Insect Growth Regulator

(314) 225-5371 (8:00 a.m. to 5:00 p.m. CST)
(314) 576-0120 AFTER HOURS
EMERGENCY PHONE NUMBER
(800) 424-9300 CHEMTREC

TOTAL RELEASE AEROSOL INSECTICIDE

EPA REG. NO.: 499-375

SECTION 1: HAZARDOUS INGREDIENTS

	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL	OTHER
Solvents & Propellents: 99.4%				
Isopropanol: CAS #67-63-0	400ppm	500ppm	400ppm	800ppm NIOSH 15 min. ceiling
Dimethyl Ether: CAS #115-10-6	1000ppm	NE	NE	
Fenoxycarb: 0.6% CAS #72490-01-8	NE	NE	NE	
[Ethyl (2-[4-phenoxyphenoxy) ethyl] carbamate				

SECTION 2: PHYSICAL DATA

BOILING POINT: NA
SPECIFIC GRAVITY (H₂O = 1): 0.83 @ 20°C
VAPOR PRESSURE IN AEROSOL CONTAINER:
~60psig @ 70°C
PERCENT VOLATILE: ~99.4%

VAPOR DENSITY: NA
EVAPORATION RATE: NA
SOLUBILITY IN WATER: Will dissipate.
APPEARANCE AND ODOR: Sprays as an aerosol fog
with a characteristic Isopropanol odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (ASTM Designation D-13-10-
AST) Tag Open Cup (Aerosol Concentrate)
NFPA 30B FLAMMABILITY: Level II Aerosol
FLAMMABLE LIMITS: (for Dimethyl Ether) % by
Volume in Air - Lower 3.4; Upper 18.0

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 may produce mild eye irritation. Produced
reversible conjunctival irritation in rabbits with no corneal
involvement or iritis.

SKIN: Prolonged exposure may cause skin irritation.
Primary skin irritation index = 0.04. Not a skin sensitizer
or fatiguing agent in guinea pigs. Acute Dermal toxicity
(rabbits) LD₅₀ > 2,000 mg/kg.

INGESTION & INHALATION: Unlikely due to the
product being pressurized and producing particles large
enough not to be respirable. Acute Oral toxicity (rats)
LD₅₀ = 6,080 mg/kg. Acute Inhalation toxicity (rats)
D₅₀ = 7.5 mg/l.

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 pneumo-
nia.

IF INHALED: Remove patient to fresh air. Apply
artificial respiration if indicated. Seek medical attention.
IF ON SKIN: Remove contaminated clothing and wash
affected areas with plenty of soap and water. Seek
medical attention if irritation persists.

IF IN EYES: Immediately flush with plenty of water.
Seek medical attention if irritation persists.

MEDICAL CONDITIONS GENERALLY AGGRA-
VATED 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 carbon monoxide 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 to discharge completely in well ventilated area, then dispose in 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 safe place. Do not throw in fire.

SECTION 7: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Applicators and other handlers must wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).
VENTILATION: LOCAL EXHAUST: None required.
MECHANICAL: None required. **SPECIAL:** None required. **OTHER:** Provide adequate ventilation of treatment area.

PROTECTIVE GLOVES: Applicators and other handlers and early reentry require chemical resistant gloves such as Barrier Laminate or Butyl rubber ≥ 14 mils or Nitrile rubber ≥ 14 mils or Neoprene rubber ≥ 14 mils or PVC ≥ 14 mils or Viton ≥ 14 mils.

EYE PROTECTION: None required- avoid contact with eyes.

OTHER PROTECTIVE EQUIPMENT: Applicators and other handlers must also wear long-sleeved shirt and long pants and shoes plus socks. Early reentry calls for coveralls and shoes plus socks.

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. Treated areas should be vacated during application. Remove pets and birds and cover or remove aquariums before use. Other than applicator, do not permit humans or pets to contact treated surfaces until the spray has dried.

SECTION 9: HEALTH HAZARDING INFORMATION (NFPA)

HEALTH - 1

FLAMMABILITY - 2

REACTIVITY - 1

SECTION 10: SARAFITILE 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
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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* 2100 TR Preclude*

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Product No. 09-2100-1

Revised: 12/26/95