



## MATERIAL SAFETY DATA SHEET

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

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

PRESSURIZED LIQUID INSECTICIDE

EPA REG. NO.: 499-248

## SECTION 1: HAZARDOUS INGREDIENTS

Propane: 30.0% CAS #74-98-6

ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
NE	NE	1000ppm

Diazinon: 0.5% CAS #333-41-5

ACGIH TLV/SKIN	ACGIH STEL	OSHA PEL
0.1mg/M <sup>3</sup>	NE	NE

(Encapsulation has reduced the hazard of the active ingredient. The TLV for the encapsulated formula has not been established.)

## SECTION 2: PHYSICAL DATA

BOILING POINT: NA

VAPOR DENSITY: NA

SPECIFIC GRAVITY: (H<sub>2</sub>O = 1): 1.025 @ 20°C

EVAPORATION RATE: NA

VAPOR PRESSURE IN AEROSOL CONTAINER:

SOLUBILITY IN WATER: Disperses

50 psig @ 70°F

APPEARANCE AND ODOR: Sprays as a coarse, wet spray with characteristic Diazinon odor.

PERCENT VOLATILE: ~98.0%

## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (FIFRA Method 807.3) (Aerosol Concentrate)

SPECIAL FIRE FIGHTING PROCEDURES: None required.

NFPA 30B FLAMMABILITY: Level 1 Aerosol

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: CO<sub>2</sub>; Dry Chemical; Foam;  
H<sub>2</sub>O

## SECTION 4: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NE

CARCINOGENICITY:

ROUTES OF ENTRY:

NTP? IARC MONOGRAPH? OSHA REGULATED?  
No No No

INHALATION? SKIN? INGESTION?  
Secondary Primary Tertiary

EMERGENCY AND FIRST AID PROCEDURES:

HEALTH HAZARD (ACUTE AND CHRONIC) -

IF SWALLOWED: Call a physician or poison control center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. If symptoms of cholinesterase inhibition are present, Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

SIGNS AND SYMPTOMS OF EXPOSURE:

IF INHALED: Remove patient to fresh air. Apply artificial respiration if indicated. Seek medical attention.

EYE: \*Product is not an eye irritant for albino rabbits.

IF ON SKIN: Remove contaminated clothing and wash affected skin areas with plenty of soap and water. Seek medical attention if irritation persists.

SKIN: \*Product is not a skin irritant for albino rabbits.

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

Primary skin irritation index = 0.75 (rabbits). Acute Dermal toxicity LD<sub>50</sub> > 2,000 mg/kg (rabbits).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

INGESTION & INHALATION: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. \*Oral LD<sub>50</sub> > 5,000 mg/kg. Encapsulation greatly reduces the toxicity and irritation of the active ingredient.

\*Acute toxicity studies performed on an otherwise identical 1% Diazinon formula.

SIGNS OF CHOLINESTERASE DEPRESSION:  
Discomfort or tightness in chest, difficulty in breathing, stomach pains, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, nonreactive pinpoint pupils or blurred vision. Symptoms may not occur until 1-8 hours

## 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):** Materials that react to water.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition in open flame will result in possible toxic substances.

**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. Absorb spillage with sand or inert material. Sweep or scoop up and remove. Then flush with water. If material contacts skin, remove contaminated clothing and wash thoroughly with soap and water. Consult physician if symptoms occur.

**EMERGENCY TELEPHONE NUMBER OF CHEMTRAC:** (800) 424-9300

(for transportation spills)

**WASTE DISPOSAL METHOD:** Container is not refillable. Do not puncture or incinerate. Replace cap, wrap in several layers of newspaper and discard.

## SECTION 7: SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** None required - avoid breathing spray mist.

**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 - avoid contact with eyes.

**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 store below 32°F or above 130°F (may cause bursting). Do not puncture. Do not store near heat or open flame.

**OTHER PRECAUTIONS:** Wash thoroughly after using. Avoid contamination of food, utensils and food preparation areas. Remove pets before treating. Cover or remove aquariums.

## SECTION 9: HEALTH RATING INFORMATION (NFPA)

**HEALTH - 1**

**FLAMMABILITY - 1**

**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

Knox Out PT® 1500R  
Contact: Stephen R. Muench, Ph.D.  
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