



NOV 13 1995

P/N 19-0271-A

### MATERIAL SAFETY DATA SHEET

WHITMIRE RESEARCH LABORATORIES, INC.  
3568 TREE COURT IND. BLVD.  
ST. LOUIS, MO 63122  
EFFECTIVE DATE: SEPTEMBER 11, 1991

**WHITMIRE**  
**PT® 270 Dursban**

(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

PRESSURIZED LIQUID INSECTICIDE

EPA REG. NO.: 499-147

#### SECTION 1: HAZARDOUS INGREDIENTS

	ACGIH TLV/TWA	ACGIH TLV/ TWA SKIN	ACGIH STEL	OSHA PEL
Solvents & Propellants: 99.5%				
1,1,1 Trichloroethane: CAS #71-55-6	350ppm	NA	450ppm	350ppm
Carbon Dioxide: CAS #124-38-9	5000ppm	NA	30000ppm	5000ppm
Chlorpyrifos: 0.5% CAS #2921-88-2 [0,0-Diethyl 0-(3,5,6-Trichloro-2-Pyridyl) Phosphorothioate]	NA	0.2mg/M <sup>3</sup>	NE	NE

#### SECTION 2: PHYSICAL DATA

BOILING POINT: NA	EVAPORATION RATE: NA
SPECIFIC GRAVITY: (H <sub>2</sub> O = 1): 1.3	SOLUBILITY IN WATER: Insoluble
VAPOR PRESSURE: 100 PSIG (20 oz. & 32 oz. size) 120 PSIG (8 lb. & 15 lb. size)	APPEARANCE AND ODOR: Sprays as strong mist with characteristic Dursban odor.
PERCENT VOLATILE: 99+%	
VAPOR DENSITY: NA	

#### 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: (20 oz. & 32 oz. size) Level I Aerosol; (8 lb. & 15 lb. size) N/A	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	

#### SECTION 4: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NE	*Formulation utilized in study was an otherwise identical 1% Chlorpyrifos formulation.
ROUTES OF ENTRY:	CARCINOGENICITY:
INHALATION?      SKIN?      INGESTION?	NTP?    IARC MONOGRAPH?    OSHA REGULATED?
Secondary      Primary      Tertiary	No                      No                      No
HEALTH HAZARD (ACUTE AND CHRONIC) -	EMERGENCY AND FIRST AID PROCEDURES:
SIGNS AND SYMPTOMS OF EXPOSURE:	<b>IF SWALLOWED:</b> Call a physician or poison control center immediately. Gastric lavage is indicated. Do not induce vomiting. Vomiting may cause aspiration pneumonia.
<b>EYE:</b> May produce eye irritation. Product produces mild to moderate conjunctival irritation and reversible corneal opacity in rabbits. No iritis was observed.	<b>IF INHALED:</b> Remove patient to fresh air. Seek medical attention if poisoning symptoms occur.
<b>SKIN:</b> Prolonged exposure may cause skin irritation. Excessive exposure may produce signs of cholinesterase depression (see below). *Primary skin index (rabbits) = 1.04. *Acute dermal toxicity - Dermal LD <sub>50</sub> > 2,000 mg/kg.	<b>IF ON SKIN:</b> Remove contaminated clothing and wash affected skin areas with plenty of soap and water. Seek medical attention if irritation persists or poisoning symptoms occur.
<b>INGESTION &amp; INHALATION:</b> 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. *Acute oral toxicity (rats) Oral LD <sub>50</sub> = 5,080 mg/kg.	<b>IF IN EYES:</b> Immediately flush with plenty of water. Seek medical attention immediately.
<b>SIGNS OF CHOLINESTERASE DEPRESSION:</b> 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.	<b>IF POISONING SYMPTOMS OCCUR:</b> 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.
	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, 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.

**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 (NFPA)**

HEALTH - 1

FLAMMABILITY - 0

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:

(20 & 32 oz. size)		
CAS#	CHEMICAL NAME	% BY WEIGHT
71-55-6	1,1,1-Trichloroethane	95.3%

(8 & 15 lb. size)		
CAS#	CHEMICAL NAME	% BY WEIGHT
71-55-6	1,1,1-Trichloroethane	93.5%

**SECTION 11: DOT SHIPPING INFORMATION**

(20 oz. & 32 oz. size)  
**PROPER SHIPPING NAME:** Consumer Commodity  
**HAZARD CLASS:** ORM-D

(8 lb. & 15 lb. size)  
**PROPER SHIPPING NAME:** Compressed Gas, N.O.S.  
 (Carbon Dioxide)  
**HAZARD CLASS:** Non-flammable Gas  
**ID#:** UN 1956

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

PREPARED BY: Michael G. Sarli  
 Revised: 4/27/94