

**SECTION 1: PRODUCT and COMPANY IDENTIFICATION**

Product Name: **Warrior™ Insecticide Cattle Ear Tag** Date Prepared: 1/27/94  
 EPA Reg. No. 39039-6 Date Revised: 8/10/15



Y-TEX Corporation For Health Safety Emergency Only, Call CHEM-TEL, Inc.: 1-800-255-3924 (24 hours)  
 1825 Big Horn Ave., PO Box 1450 Other Information Calls: 800-443-6401, 307-587-5515 (Y-TEX)  
 Cody, WY 82414 (7:30am – 4:30pm MDT, Monday-Friday)

General Use: End-use insecticide ear tag for cattle

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

Health	Environmental	Physical
Acute Toxicity: Category 3 (Oral), Category 4 (Inhalation)	Acute Toxicity: Highly toxic to fish, birds and other wildlife Chronic Toxicity: Category 4	None Known
Skin Irritation: No Skin Sensitization: No Eye: No		

**GHS LABEL:**   **SIGNAL WORD:**

**DANGER**

**HAZARD STATEMENTS:**

Symbols: Skull and crossbones, Environmentally hazardous substance

Hazard Statements	Precautionary Statements
<b>DANGER</b>	
H301 Toxic if swallowed	P101 If medical advice is needed, have product container or label at hand.
H332 Harmful if inhaled	P102 Keep out of reach of children.
H413 May cause long lasting harmful effects to aquatic life	P103 Read label before use.
	P261 Avoid breathing vapors.
	P264 Wash thoroughly with soap and water after handling.
	P270 Do not eat, drink or smoke when using this product.
	P271 Use only outdoors or in a well-ventilated area.
	P273 Avoid release to the environment.
	P301 IF SWALLOWED: Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call physician.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P310 Immediately call a physician if overexposure symptoms occur.
	P312 Call a Poison Control Center or doctor if you feel unwell.
	P321 Specific treatment - See first aid section of label and SDS.
	P330 Rinse mouth.
	P501 Dispose of contents by securely wrapping and discarding in trash. Non-refillable container. Do not reuse. Discard in trash or offer for recycling.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients:	Concentration (w/w)		CAS Number
	%	g/kg	
<b>Diazinon</b> 0,0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) Phosphorothioate Nuisance material (inert)	30.0%	300	333-41-5
<b>Chlorpyrifos</b> [0-0-diethyl-0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	4.2%	42	
	10.0%	100	2921-88-2

**SECTION 4: FIRST AID**

Eye Contact: Eye contact may cause mild irritation. Avoid eye contact with tags or used gloves. If contacted, flush with plenty of water.

Skin: Avoid skin contact by wearing chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils). Wash skin thoroughly with soap and water after use. If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention.

Contact: 14 mils). Wash skin thoroughly with soap and water after use. If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention.

Ingestion: May be fatal if swallowed. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call physician.

Inhalation: No apparent hazard with normal outdoor use when following instructions on label.

Other: Diazinon and chlorpyrifos are cholinesterase inhibitors. Overexposure may produce any of the following possible symptoms:

Information: headache, giddiness, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest, nervousness, sweating, constricted pupils, tearing and salivation. If overexposure symptoms occur, call a physician immediately. Note to physician: Diazinon and chlorpyrifos are organophosphate insecticides. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may also be administered, but only in conjunction with atropine.

**SECTION 5: FIRE FIGHTING MEASURES**

Flash Point (method): Not Applicable Autoignition Temperature: Not Determined LEL: Not Applicable UEL: Not Applicable

Flammability Classification: Not Applicable

Extinguishing Media: Large fire: water fog or foam. Small fire: CO<sub>2</sub> or dry chemical. Minimize water use and contain runoff.

Hazardous Combustion Products: Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO<sub>2</sub>. HC1, phosgene and chlorine gases are possible combustion products.

Unusual Fire or Explosion Hazards: If fire seriously threatens large storage of tags, personnel should evacuate the area as toxic and irritating gases may be formed.

Fire-Fighting Instructions/Equipment: (For a large quantity of product) Wear protective clothing including rubber gloves and boots and self-contained air supply (SCBA). Remain upwind if possible. Runoff must be contained due to fish toxicity.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Use recommended personal protective equipment (see Section 8). Small Spill: Solid product. Not applicable. Large Spill: Solid product. Not applicable.

**SECTION 7: HANDLING AND STORAGE (continued on page 2)**

Handling: Keep out of reach of children. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation.

Precautions: Avoid contact with eyes, skin or clothing. Avoid breathing vapors. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils) when applying tags.

Storage: Store in original container in a cool place away from direct sunlight. Opened bags containing ear tags should be resealed for storage.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS:	Component	U.S. OSHA PEL	ACGIH TLV
	Diazinon		0.1 mg/m <sup>3</sup> (skin)
	Nuisance material (inert)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
	Chlorpyrifos	(TWA 0.2 mg/m <sup>3</sup> )	
Eye/Face Protection:	None required	Skin Protection: Chemical-resistant gloves made of rubber or any waterproof material	
Respiratory Protection:	None required	Engineering Controls:	None required
Administrative Controls:	Use this product only as specified on the label.		Other Information: See Section 7

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical State:	Solid, molded plastic ear tag, green color		
Odor:	Mild, mercaptan, sulfur-like odor	Odor Threshold (ppm):	Not applicable
		pH:	Not applicable
Melting Point:	Approx. 150°C (302°F)	Boiling Point:	Not applicable
Flash Point:	Not applicable	Evaporation Rate:	Not applicable
Flammability (solid, gas):	Solid, nonflammable	LEL:	Not applicable
		UEL:	Not applicable
Vapor Pressure (mm Hg):	2 x 10 <sup>-4</sup> for diazinon at 20°C; 1.87 x 10 <sup>-5</sup> for chlorpyrifos at 20°C		
Vapor Density (Air = 1):	Not applicable	Relative Density:	1.18 g/cc (15 g/tag)
Specific Gravity (H <sub>2</sub> O = 1):	Not applicable		
Solubility in Water:	Essentially insoluble (Diazinon = 40 ppm at 20°C; Chlorpyrifos = 1.2 ppm at 20°C)		
Coefficient of Water/Oil solubility:	Not applicable	Autoignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable	V.O.C.:	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability:	Stable	Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Do not store near heat or open flame. Lengthy storage at high temperatures will promote the migration of active ingredients out of tags, potentially reducing activity.		
Chemicals to Avoid:	None known		
Hazardous Decomposition Products:	Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO <sub>2</sub> . HC1, phosgene and chlorine gases are possible combustion products.		

**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Effects:**

Eyes:	Eye contact may cause mild irritation. Avoid rubbing tags in eyes. If contacted, flush with plenty of water.		
Skin:	Acute dermal LD <sub>50</sub> >5050 mg/kg (male & female albino rabbits). Skin irritant: No (albino rabbits). Skin sensitizer: No (guinea pigs). Avoid skin contact by wearing chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils). Wash thoroughly with soap & water after use.		
Ingestion:	Acute oral LD <sub>50</sub> >500 mg/kg (rats, estimated for whole tag). Acute oral LD <sub>50</sub> >250 mg/kg (tiny particles in male & female albino rats). May be fatal if swallowed. Do not store near food products.		
Inhalation:	Acute inhalation LC <sub>50</sub> (diazinon, rat) = 3.5 mg/L (4 hrs.). No apparent hazard with normal outdoor use.		

**Chronic Effects**

Eyes:	Not Determined	Carcinogenicity:	None known
Skin:	Not Determined	Target Organ Effects:	Not Determined
Ingestion:	Not Determined	Medical Conditions Aggravated by Long-term Exposure:	None presently known
Inhalation:	Not Determined	Sensitization to Product:	Skin-No (guinea pigs)
		Irritancy of Product:	Skin – No (albino rabbits)

**SECTION 12: ECOLOGICAL INFORMATION**

This product is highly toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by disposal of used tags. Use this product only as specified on the label.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Pesticide Disposal:	Remove tags before animal slaughter. Securely wrap used tags in a plastic bag and discard in trash. Do not reuse tag container. Discard in trash.
Container Disposal:	Non-refillable container. Do not reuse bag. Discard bag in trash, or offer for recycling if available.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DOT** (Department of Transportation) ground: Not restricted, NMFC #155050

UN Number, UN Proper Shipping Name, Transport Hazard Class, Packing Group: Not applicable Marine Pollutant: No

**IATA** Not regulated for transport

**VESSEL (IMO/MDG)**

UN Number: 2783 UN Proper Shipping Name: Organophosphorus pesticides, solid, toxic, n.o.s. (diazinon and chlorpyrifos mixture)

Transport Hazard Class: Class 6.1 Packing Group: PG III Marine Pollutant: Yes

**SECTION 15: REGULATORY INFORMATION**

Diazinon and Chlorpyrifos are on the U.S. EPA's Section 313 TRI Reporting list

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**WARNING.** May be fatal if swallowed. Harmful if inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapors. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Do not contaminate food or feed.

**NOTE TO PHYSICIAN:** Diazinon and chlorpyrifos are organophosphate insecticides. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

**SECTION 16: OTHER INFORMATION**

Revision date: 8/10/15 USA EPA Reg. No.: 39039-6; USA Establishment No.: 39039-WY-01

Argentina, Cert. No. 99.230	Australia, APVMA Reg. No. 51524	Brazil, Lic. Min. Agri. No. 8.253	Chile, Reg. SAG No. 1561
Colombia, Reg. ICA No. 5454-DB	Uruguay, nro. A-3588	Venezuela N° Registro P.I. 10.780	