

SAFETY DATA SHEETS

This SDS packet was issued with item:

078912600

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078912599 078912601 078912602 078912603 078912604

Material Safety Data Sheet

PRODUCT NAME: Y-TEX™ Insecticide Ear Tag
REGISTRATION NOS.: U.S.A., EPA Reg. No.: 39039-6 Australia, APVMA Reg. 51524

SECTION 1 - MANUFACTURER

Manufacturer's		
Name	Y-TEX Corporation	
Address	1825 Big Horn Ave., PO Box 1450	For Health Safety Emergency Only 800-255-3924 CHEM-TEL, INC.
City, State, and ZIP	Cody, WY 82414	Other Information Calls 800-443-6401, 307-587-5515 (Y-TEX)
Date Prepared	Date Revised	U.S. EPA Establishment No.
1/25/95	02/11/2005	39039-WY-01

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	U.S. OSHA PEL	ACGIH TLV	CAS No.	% w/w (optional)
--	---------------	-----------	---------	------------------

ACTIVE INGREDIENT:

Diazinon (organophosphate) 0,0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate		0.1 mg/m ³ (skin)	333-41-5	30.0%
Nuisance Material (inert)	15 mg/m ³	10 mg/m ³		4.2%
Chlorpyrifos (organophosphate) [0, 0-diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	(TWA 0.2mg/m ³)		2921-88-2	10.0%

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	Not Applicable	Specific Gravity (H ₂ O=1)	1.18	Vapor Pressure (mm Hg)	Diazinon a.i.: 2 x 10 ⁻⁴ @ 20C Chlorpyrifos a.i.: 1.87 x 10 ⁻⁵ @ 20C
Vapor Density (Air=1)	Not Applicable				
Solubility in Water	Essentially Insoluble	Reactivity in Water	None		
(Diazinon = 40 ppm; Chlorpyrifos = 1.2 ppm @ 20C)					
Appearance and Odor	Green ear tag; Mild mercaptan, sulfur-like odor	Melting Point	About 150°C (302°F.)		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	NA	F.	C.	Method Used	Flammable Limits in Air % by Volume	LEL Lower	UEL Upper	Not Determined
Auto-Ignition Temperature	Not Determined			Extinguisher Media	Large fire: Water fog; foam. Small fire: CO ₂ ; Dry chemical. Minimize water use and contain runoff.			
Special Fire Fighting Procedures	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.							
Unusual Fire and Explosion Hazards	If fire seriously threatens large storage of tags, personnel should evacuate the area as toxic and irritating gases may be formed.							

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Conditions Do not use or store near heat or open flame. Lengthy storage at high temperatures will
Stable to Avoid promote migration of active ingredients out of tags, thus reducing activity.

Incompatibility (Materials to Avoid) None Known

Hazardous Decomposition Products Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO₂. HCl, phosgene, and chlorine gases are possible combustion products.

Hazardous Polymerization May Occur Conditions
Will Not Occur to Avoid

SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: WARNING)

1. Acute Low single dose toxicity 2. Chronic Not Determined
Acute oral LD₅₀ > 250 mg/kg (rat). Acute dermal LD₅₀ > 5050 mg/kg (rabbit).

Signs and Symptoms of Exposure Diazinon and chlorpyrifos are cholinesterase inhibitors. Overexposure may produce any of the following possible symptoms: headache, giddiness, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest, nervousness, sweating, constricted pupils, tearing and salivation.

Medical Conditions Generally None Presently Known.

Aggravated by Exposure

Chemical Listed as Carcinogen National Toxicology Program (National Cancer Institute) Yes No I.A.R.C. Monographs Yes No OSHA Yes No

Emergency and First-Aid Procedures If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention. If overexposure symptoms occur, call a physician immediately. Note to physician: Atropine by injection is antidotal. 2-PAM may also be given, but only in conjunction with atropine.

ROUTES OF ENTRY

- 1. Inhalation No apparent hazard with normal outdoor use.
Acute inhalation LC₅₀ (diazinon, rat) = 3.5 mg/L (4 hours).
- 2. Eyes Eye contact may cause mild irritation. Avoid rubbing tags in eyes. If contacted, flush with plenty of water.
- 3. Skin Avoid skin contact by wearing disposable plastic gloves.
Wash thoroughly with soap & water after use.
- 4. Ingestion May be harmful if swallowed. If part of tag is swallowed, may induce vomiting by giving two glasses of water and sticking finger down throat. Call physician.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Wear clean, washable or disposable gloves daily when applying tags. Wash thoroughly with soap and water after handling and before eating or smoking. Avoid contamination of food, feedstuffs or water.
Toxic to fish.

Other Precautions Store in cool place away from direct sunlight.

Waste Disposal Methods (Consult federal, state, and local regulations) Remove tags before animal slaughter. Securely wrap used tags in a plastic bag or several layers of newspaper and discard in trash. Do not reuse tag container.
Discard in trash.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) None required

Ventilation Exhaust (General) Local Mechanical Special Other

Protective Gloves Disposable plastic gloves. Eye Protection None required

Other Protective Clothing or Equipment None Required

Work/Hygienic Practices See Section 7

Y-TEX Corporation, 1825 Big Horn Ave., Cody, Wyoming 82414, U.S.A.

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: 1/5/17

Y-TEX Corporation For Health Safety Emergency Only, Call CHEM-TEL, Inc. (24 hours): 1-800-255-3924 US
 1825 Big Horn Ave. 813-248-0585 International
 Cody, WY 82414 Other Information Calls: 800-443-6401, 307-587-5515 (Y-TEX)
 (7:30am – 4:30pm MDT, Monday-Friday)

General Use: End-use insecticide ear tag for cattle

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<u>Health</u>		<u>Environmental</u>		<u>Physical</u>
Acute Toxicity:	Category 4 (Oral)	Acute Toxicity:	Unknown, See Section 12	None Known
Skin Irritation:	No	Chronic Toxicity:	Category 4	
Skin Sensitization:	No			
Eye:	No			

GHS LABEL:



SIGNAL WORD:

WARNING

HAZARD STATEMENTS:

Symbols: Exclamation – acute toxicity, Environmentally hazardous substance

<u>Hazard Statements</u>		<u>Precautionary Statements</u>	
WARNING		P101	If medical advice is needed, have product container or label at hand
H302	Harmful if swallowed	P102	Keep out of reach of children
H413	May cause long lasting harmful effects to aquatic life	P103	Read label before use
		P264	Wash thoroughly with soap and water after handling
		P270	Do not eat, drink or smoke when using this product
		P273	Avoid release to the environment
		P301+P312	IF SWALLOWED: Do not induce vomiting unless told to do so by a poison control center or physician. Do not give anything by mouth to an unconscious person. Call a physician if you feel unwell.
		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	
Diazinon 0,0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) Phosphorothioate	30.0%	300	333-41-5
Nuisance material (inert)	4.2%	42	
Chlorpyrifos [0-0-diethyl-0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	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 harmful 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: CO₂ 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 & CO₂. 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

Handling: Keep out of reach of children. May be harmful 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 Requirements: storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	U.S. OSHA PEL	ACGIH TLV
	Diazinon		0.1 mg/m ³ (skin)
	Nuisance material (inert)	15 mg/m ³	10 mg/m ³
	Chlorpyrifos	(TWA 0.2 mg/m ³)	
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 ⁻⁴ for diazinon at 20°C; 1.87 x 10 ⁻⁵ for chlorpyrifos at 20°C		
Vapor Density (Air = 1):	Not applicable	Relative Density:	1.18 g/cc (15 g/tag)
Specific Gravity (H ₂ 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 ₂ . HC1, phosgene and chlorine gases are possible combustion products.		

SECTION 11: TOXICOLOGICAL INFORMATIONAcute Effects:

Eyes:	Eye contact may cause mild irritation. Avoid rubbing tags in eyes. If contacted, flush with plenty of water.		
Skin:	Acute dermal LD ₅₀ >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 ₅₀ >500 mg/kg (rats, estimated for whole tag). May be harmful if swallowed. Do not store near food products.		
Inhalation:	Acute inhalation LC ₅₀ (diazinon, rat) = 3.5 mg/L (4 hrs.) (data on active ingredient). 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:	UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity
IATA:	UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity
IMO/IMDG:	UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity, Marine Pollutant

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: 1/5/17 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	

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Y-TEX Corporation makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Y-TEX Corporation be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.