

Y•TEX CORPORATION**Material Safety Data Sheet****PRODUCT NAME: Optimizer[®] Insecticide Cattle Ear Tag**

REGISTRATION NOS.: U.S.A., EPA Reg. No. 39039-3 Argentina, Cert. No. 97292 Australia, NRA Reg. No. 46406
 Brazil, Lic. Min. Agri. No. 5610 Canada, PCPA Reg. No. 25334 Chile, Reg. SAG No. 0142
 Colombia, Reg. ICA No. 4.368-DB Mexico, RSCO-INAC-0120-390-373-020 Paraguay, Reg. MAG No. 5308
 Uruguay, Reg. MGAP No. A-883 Venezuela, EPA Reg. No. 39039-3 Dominican Republic, Reg. No. 529

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 **1/ 27/1994** Date Revised **4/06/2010**U.S. EPA Establishment No.
39039-WY-01**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY**

Hazardous Component(s) (chemical & common name(s))	U.S. OSHA PEL	ACGIH TLV	CAS No.	Concentration (w/w) %	g/kg
ACTIVE INGREDIENT: Diazinon 0, 0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate		0.1 mg/m ³ (skin)	333-41-5	21% nom. (20% min)	210 (200 min)
Nuisance material (inert)	15 mg/m ³	10 mg/m ³		3%	30

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: Not Applicable	Specific Gravity (H ₂ O=1): 1.20	Vapor Pressure (mm Hg): For diazinon: 2 x 10⁻⁴ @ 20°C
Vapor Density (Air=1): Not Applicable		
Solubility in Water: Essentially Insoluble (Diazinon = 40 ppm @ 20°C)	Reactivity in Water: None	
Appearance and Odor: Orange ear tag; Mild sulfur-like odor	Melting Point: Approximately 302°F (150°C)	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: NA	Method Used: F. C.	Flammable Limits in Air % by Volume: LEL Lower: NA	UEL Upper: NA
Auto-Ignition Temperature: NA	Extinguisher Media: Large fire: Water fog; foam. Small fire: CO₂; 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.		

NA = Not Applicable

Optimizer Insecticide Cattle Ear Tag**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability: Unstable Conditions Do not store near heat or open flame. Lengthy storage at high temperatures will promote
Stable to Avoid the migration of plasticizers and diazinon out of tags, potentially 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 May Occur Conditions
Polymerization: Will Not Occur to Avoid: None known

SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: WARNING)

1. Acute: Acute Oral LD₅₀ >2000 mg/kg (rats, male & female albinos); Acute Dermal LD₅₀ >5050mg/kg (rabbits, male & female albinos)
Skin irritant: No (albino rabbits); Skin sensitizer: No (guinea pigs)

2. Chronic: Not Determined
Signs and Symptoms of Exposure: Diazinon is a cholinesterase inhibitor. 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 Aggravated by Exposure: None presently known.

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) = 3.5mg/L (4 hrs)

>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 washable or 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: None required
(Specify Type)

Ventilation: Local Exhaust Mechanical (General) Special Other
NA

Protective Gloves: Washable or disposable plastic gloves. Eye Protection: None required

Other Protective Clothing or Equipment: None Required

Work/Hygienic Practices: See Section 7