



Flycam Pty Ltd

Specialising in Integrated Buffalo Fly Control on Cattle,
Y-Tex Livestock Identification & Pest Control Products



Material Safety Data Sheet

PRODUCT NAME: WARRIOR™ Insecticidal Cattle Ear Tag
Australia APVMA Approval No. 51524

SECTION 1 - MANUFACTURER

Distributor's

Name FLYCAM PTY LTD

Address

7/26 Achievement Crescent

For Health Safety Emergency Only

13-1126 Poisons Information Centre

City, State, and ZIP

Acacia Ridge, QLD 4110

Other Information Calls

(02) 6282 5325 Flycam Pty Ltd.

Date Prepared

25/1/1995

Date Revised

24/03/2010

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		0.1mg/m ³ (skin)	333-41-5	30.0%	300
Nuisance Material (inert)	15mg/m ³	10mg/m ³		4.2%	42
Chlorpyrifos (organophosphate)					
[0, 0-diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	(TWA 0.2mg/m ³)		2921-88-2	10.0%	100

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 @ 20°C	
				Chlorpyrifos a.i.: 1.87 x 10 ⁻⁵ @ 20°C	
Vapor Density (Air=1)	Not Applicable				
Solubility in Water	Essentially Insoluble	Reactivity in Water	None		
	(Diazinon = 40 ppm (40mg/kg); Chlorpyrifos = 1.2 ppm (1.2mg/kg) @ 20°C)				
Appearance and Odor	Green ear tag;	Melting Point	About 150°C		
	Mild mercaptan, sulfur-like odor				

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.							

Note: NA = Not Applicable

WARRIOR™ Insecticidal Cattle Ear Tag

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable <input type="checkbox"/>	Conditions	Do not store near heat or open flame. Lengthy storage at high temperatures will promote migration of active ingredients out of tags, thus reducing activity.		
	Stable <input checked="" type="checkbox"/>	to Avoid			
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 & CO ₂ . HCl, phosgene, and chlorine gases are possible combustion products.				
Hazardous Polymerization	May Occur <input type="checkbox"/>	Conditions			
	Will Not Occur <input checked="" type="checkbox"/>	to Avoid			

SECTION 6 - HEALTH HAZARDS (APVMA SIGNAL WORD: POISON)

1. Acute	2. Chronic	Not Determined	
Acute oral LD ₅₀ >500 mg/kg (rats, estimated for whole tag); Acute oral LD ₅₀ >250 mg/kg (tiny particles in male & female albino rats) Acute dermal LD ₅₀ >5050 mg/kg (male & female albino rabbits). Skin irritant: No (albino rabbits); Skin sensitizer: No (guinea pigs)			
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. Repeated minor exposure may have a cumulative poisoning effect.		
Medical Conditions Generally Aggravated by Exposure	None Presently Known.		
Chemical Listed as Carcinogen	USA National Toxicology Program (National Cancer Institute) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	USA OSHA Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency and First-Aid Procedures	Obtain an emergency supply of atropine tablets, 0.6mg. 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 ENTRY	>1. Inhalation No apparent hazard with normal outdoor use. Acute inhalation LC ₅₀ (diazinon, rat)=3.5mg/L (4 hrs)		
	>2. Eyes May irritate the eyes. Avoid contact with eyes and skin. If contacted, flush with plenty of water.		
	>3. Skin When using the product wear rubber gloves. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves.		
	>4. Ingestion Poisonous if swallowed. Do not open inner sachet until ready for use. Do not allow children to play with tags.		

FIRST AID: If accidentally sucked, give milk or water, contact a doctor or Poisons Information Centre, phone 13 1126.

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. Do not contaminate streams, rivers or waterways with the tags or used containers.		
Other Precautions	Store in original container in a dry, cool place away from direct sunlight. Store below 30°C.		
Waste Disposal Methods (Consult federal and state regulations)	Destroy empty containers by crushing them. Dispose of containers and spent tags at a local authority landfill that does not burn its refuse. If there is no local authority landfill available in your area, bury the containers and spent tags at a depth of 500mm or more at an approved site. Do not burn empty containers or spent tags.		

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type)	None required			
Ventilation	Local Exhaust	Mechanical (General)	Special	Other
Protective Gloves	Washable or disposable plastic gloves	Eye Protection	None required	
Other Protective Clothing or Equipment	None Required			
Work/Hygienic Practices	See Section 7			

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