

**SECTION 1: PRODUCT and COMPANY IDENTIFICATION**

Product Name: **GardStar® Plus Insecticide Ear Tag** Date Prepared: 1/25/95  
 EPA Reg. No. 39039-1 Date Revised: 8/11/15  
 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**

<b>GHS CLASSIFICATION:</b>		
<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Acute Toxicity: No	Acute Toxicity: Toxic to fish and aquatic invertebrates	None Known
Skin Irritation: No	Chronic Toxicity: Category 4	
Skin Sensitization: No		
Eye: No		

GHS LABEL:



SIGNAL WORD:

WARNING

**HAZARD STATEMENTS:**

Symbols: Environmentally hazardous substance		
<u>Hazard Statements</u>	<u>Precautionary Statements</u>	
<b>WARNING</b>	P101	If medical advice is needed, have product container or label at hand
H303 May be 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
	P312	Call a poison center or doctor if you feel unwell.
	P501	Dispose of contents on site or at any approved waste disposal facility. Securely wrap used tags in a plastic bag or several layers of newspaper and discard in trash. Non-refillable container. Do not reuse bag. Discard bag in trash, or offer for recycling if available.

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

Hazardous Ingredients:	Concentration (w/w)		CAS Number
	%	g/kg	
<b>Permethrin</b> (3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethyl)-2,2 dimethylcyclopropane-carboxylate* *cis/trans ratio: Max. 55% (±) cis and Min. 45% (±) trans	10.0%	100	52645-53-1

**SECTION 4: FIRST AID**

**Eye Contact:** Eye contact may cause mild irritation. Avoid eye contact with tags or used gloves. If contacted, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention.

**Skin Contact:** Skin irritation may be caused by repeated, prolonged contact with large amounts of material. Wash skin immediately and thoroughly with soap and water for 15-20 minutes after contact.

**Ingestion:** May be harmful if swallowed. If part of tag is swallowed, have person sip a glass of water if able to swallow. 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.

**Inhalation:** No hazard under normal use when following instructions.

**Other Information:** Certain individuals may feel skin sensations (numbing, burning or tingling) from repeated, prolonged contact. These sensations subside and disappear within a few hours. The active ingredient has been proven non-mutagenic and non-teratogenic in laboratory animals.

**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.  
**Hazardous Combustion Products:** Not applicable. The product does not contain any combustible liquids.  
**Unusual Fire or Explosion Hazards:** Evacuate all areas where fire seriously threatens containers. Overheated, sealed containers are an explosion hazard. Toxic and irritating gases may be formed.  
**Fire-Fighting Instructions/Equipment:** Wear protective clothing including rubber gloves and boots and self-contained breathing apparatus. Remain upwind if possible. Runoff must be contained due to possible 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:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.  
**Precautions:** Remove contaminated clothing and wash clothing before reuse. Remove tags before animal slaughter.  
**Storage:** Store in a cool place away from direct sunlight. Opened bags containing ear tags should be re-sealed for storage. Do not contaminate water, food or feed by storage or disposal.  
**Requirements:**

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

EXPOSURE LIMITS:	Component	U.S. OSHA PEL	ACGIH TLV
Eye/Face Protection:	None required.		
Skin Protection:	Washable or disposable, plastic gloves.		
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, bright reddish-orange color		
Odor:	Mild, slightly sweet odor	Odor Threshold (ppm):	Not applicable
pH:	Not applicable		
Melting Point:	Approx. 150°C (302°F)	Boiling Point:	Not applicable
Flash Point:	Not applicable		
Flammability (solid, gas):	Solid, Nonflammable		
LEL:	Not applicable		
Vapor Pressure (mm Hg):	3.4 x 10 <sup>-7</sup> for permethrin at 25°C	UEL:	Not applicable
Vapor Density (Air = 1):	Not applicable		
Specific Gravity (H <sub>2</sub> O = 1):	Not applicable		
Solubility in Water:	Essentially Insoluble		
Coefficient of Water/Oil solubility:	Not applicable		
Decomposition Temperature:	Not applicable		
	Autoignition 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 flame.		
Chemicals to Avoid:	None known.		
Hazardous Decomposition Products:	Burning may produce CO, CO <sub>2</sub> , chlorine, hydrogen chloride or phosgene.		

**SECTION 11: TOXICOLOGICAL INFORMATION**Acute Effects: Very low single dose toxicity:

Eyes:	Eye contact may cause mild irritation. No corneal injury likely.		
Skin:	Acute dermal LD <sub>50</sub> >5000 mg/kg (male & female albino rats). Skin irritant: No (albino rabbits); Skin sensitizer: No (guinea pigs). Skin irritation may be caused by repeated, prolonged contact with large amounts of tag material.		
Ingestion:	Acute oral LD <sub>50</sub> >5000 mg/kg (male & female albino rats). May be harmful if swallowed. Do not store near food products.		
Inhalation:	No hazard under normal use when following instructions on label.		

Chronic Effects

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

**SECTION 12: ECOLOGICAL INFORMATION**

This product is extremely toxic to aquatic organisms, including fish and invertebrates. Do not add 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 or several layers of newspaper and 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/IMDG)**

UN Number: 3077	UN Proper Shipping Name: Environmentally Hazardous Substance, Solid, n.o.s. (Permethrin mixture)
Transport Hazard Class: Class 9	Packing Group: PG III Marine Pollutant: Yes

**SECTION 15: REGULATORY INFORMATION**

Permethrin is 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:

**CAUTION**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse..

**SECTION 16: OTHER INFORMATION**

Revision date: 8/11/15

USA EPA Reg. No.: 39039-1, USA Establishment No.: 39039-WY-01

Canada PMRA Reg. No.: 18686