

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078679162

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

078679154

# Y-TEX CORPORATION

## Material Safety Data Sheet

### PRODUCT NAME:

**XP 820 Insecticide Cattle Ear Tag**

### SECTION 1 - MANUFACTURER INFORMATION

Manufacturer's

Name Y-TEX Corporation

Address

1825 Big Horn Ave., PO Box 1450

Emergency Telephone No.

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

30 January 2009

Date Revised

EPA Pesticide Producing Establishment No.

39039-WY-01

### SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))

OSHA PEL

CAS No.

%(Optional)

#### ACTIVE INGREDIENTS:

Abamectin (avermectin B<sub>1a</sub> and B<sub>1b</sub> isomers)

71751-41-2

8%

Piperonyl butoxide, technical

51-03-6

20%

### SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point Not Applicable

Specific Gravity (H<sub>2</sub>O=1): 1.084

Vapor Pressure (mm Hg) A.I.:

Net Weight: 9.0 g per tag

Not Evaluated

Vapor Density (Air=1)

Not Applicable

Solubility in Water Insoluble

Reactivity in Water None

Appearance and Odor Gold-colored plastic tag.  
Very mild odor.

Melting Point About 160°C (320°F)

### SECTION 4 - FIRE & EXPLOSION DATA

Flash

Method

Flammable Limits

LEL

UEL

Point

NA

F.

C.

Used

Not Applicable

in Air % by Volume

Lower

NA

Upper

NA

Auto-Ignition Temperature

Not Applicable

Extinguisher Media

Water fog or foam

Special Fire Fighting Procedures Use self-contained breathing apparatus for fires in closed areas. Remain upwind if possible.

Runoff must be contained due to possible fish toxicity.

Unusual Fire and Explosion Hazards

Evacuate closed areas where fire seriously threatens large storage of tags as irritating  
or toxic vapors may be formed.

**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability	Unstable <input type="checkbox"/>	Conditions	
	Stable <input checked="" type="checkbox"/>	to Avoid	Do not store near heat or open flame. Store away from direct sunlight.
Incompatibility (Materials to Avoid)	None known		
Hazardous Decomposition Products	Burning may produce CO, CO <sub>2</sub> , chlorine, hydrogen chloride or toxic oxides of nitrogen.		
Hazardous Polymerization	May Occur <input type="checkbox"/>	Conditions	
	Will Not Occur <input checked="" type="checkbox"/>	to Avoid	

**SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: WARNING)**

1. Acute: Low single dose toxicity	2. Chronic	Not determined
Acute oral LD <sub>50</sub> estimated at >300 mg/kg for whole ear tags (test not possible with laboratory animals)		
Acute oral LD <sub>50</sub> = 225.4 mg/kg (rat, female, estimated) for chopped-up ear tags (95% confidence interval of 167 mg/kg to 255 mg/kg)		
<u>Acute dermal LD<sub>50</sub> &gt;5000 mg/kg (rat) for whole ear tags.</u>		
Signs and Symptoms of Exposure	Normal use produces no apparent abnormal symptoms. Not a skin sensitizer or irritant.	
Medical Conditions Generally Aggravated by Exposure	Central nervous system depression: prolonged unprotected contact with large numbers of tags may produce allergic skin sensations or irritations on certain individuals (transient skin flushing).	
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency and First Aid Procedures	If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention.	
ROUTES	>1. Inhalation	May be harmful if inhaled. Low hazard with normal use outdoors.
	>2. Eyes	May cause moderate eye irritation. Avoid rubbing eyes when handling. If contacted, flush with plenty of water for 15-20 minutes.
OF	>3. Skin	Harmful if absorbed through skin. Wear plastic gloves when applying tags. Wash thoroughly with soap and water after use.
	>4. Ingestion	May be fatal if swallowed. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be Taken in Handling and Storage	Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Store in cool, dark place away from sunlight in original container. Opened bags containing ear tags should be resealed for storage. Do not contaminate water, food or feed by storage or disposal. Toxic to fish and aquatic invertebrates.
Steps to be Taken in Case Material is Released or Spilled	
Waste Disposal Methods	Remove tags before slaughter of animals. Offer for recycling (if available). (Consult federal, state, and local regulations) Otherwise, securely wrap used tags in a plastic bag or several layers of newspaper and discard in trash. Do not reuse or refill the box or bag.

**SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory Protection (Specify Type)	None required			
Ventilation	Not applicable	Local Exhaust	Mechanical (General)	Special
Protective Gloves	Chemical resistant gloves made out of any waterproof material		Eye Protection	Not required
Other Protective Clothing or Equipment	Must wear shirt, pants, shoes and socks.			
Work/Hygienic Practices	See Section 7			

**SECTION 9 – SHIPPING INFORMATION**

DOT Description: The XP 820 Insecticide Cattle Ear Tag does not meet the criteria of a Class 6, Division 6.1 poisonous material per 49 CFR 173.132. Sealed packages of tags do not meet the toxicity criteria of Packing Group III (49 CFR 173.133) for the purposes of marking shipments. IATA Classification: The whole XP 820 Insecticide Cattle Ear Tag does not meet the Division 6.1 Packing Group III Hazard Criteria (3.6.1.3) for the purposes of marking shipments for transportation by air.

**SECTION 1: PRODUCT and COMPANY IDENTIFICATION**

Product Name: **XP 820® Insecticide Cattle Ear Tag**  
EPA Reg. No. 39039-17

Date Prepared: 1/27/94  
Date Revised: 4/1/16

Y-TEX Corporation  
1825 Big Horn Ave.  
Cody, WY 82414

For Health Safety Emergency Only, Call CHEM-TEL, Inc. (24 hours): 1-800-255-3924 US  
813-248-0585 International  
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:**

Health	Environmental	Physical
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

<b>Hazard Statements</b>	<b>Precautionary Statements</b>
<b>WARNING</b> H302 Harmful if swallowed H413 May cause long lasting harmful effects to aquatic life	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. 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: If part of tag is swallowed, Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. 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**

	Concentration (w/w)		CAS Number
	%	g/kg	
<b>Hazardous Ingredients:</b>			
<b>Abamectin</b> (Avermectin B <sub>1a</sub> and B <sub>1b</sub> isomers)	8.0%	80	71751-41-2
<b>Piperonyl Butoxide</b> (butylcarbityl) (6-propylpiperonyl) ether and related compounds	20.0%	200	51-03-6

**SECTION 4: FIRST AID**

Eye Contact: May cause moderate eye irritation. Avoid rubbing eyes when handling. If contacted, flush with plenty of water for 15-20 minutes.  
Skin: May be harmful if absorbed through skin. Wear chemical resistant gloves when applying tags. Wash skin thoroughly with soap and water after use. If allergic skin reaction occurs, wash thoroughly with soap and water and seek medical attention.  
Contact: water after use. If allergic skin reaction occurs, wash thoroughly with soap and water and seek medical attention.  
Ingestion: May be harmful if swallowed. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
Inhalation: May be harmful if inhaled. Low hazard with normal outdoor use when following instructions on label.  
Other:  
Information: This product contains abamectin, a macrocyclic lactone, and piperonyl butoxide, a mixed-function oxidase inhibitor.

**SECTION 5: FIRE FIGHTING MEASURES**

Flash Point (method): Not Applicable  
LEL: Not Applicable  
Flammability Classification: Not Applicable  
Autoignition Temperature: Not Determined  
UEL: Not Applicable  
Extinguishing Media: Water fog or foam.  
Hazardous Combustion Products: Not Applicable  
Unusual Fire or Explosion Hazards: Evacuate closed areas where fire seriously threatens large storage of tags as toxic and irritating vapors may be formed.  
Fire-Fighting Instructions/Equipment: (For a large quantity of product) Use self-contained breathing apparatus for fires in closed areas. 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: Applicators and other handlers must wear: long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Do not contaminate water, food or feed by storage or disposal.  
Precautions:  
Storage: Store in cool, dark place away from direct sunlight in original container. Opened bags containing ear tags should be resealed for storage.  
Requirements:

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

EXPOSURE LIMITS:	Component	U.S. OSHA PEL	ACGIH TLV
Eye/Face Protection:	None required		
Skin Protection:	Long sleeved shirt and long pants, shoes plus socks and chemical resistant 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, gold color		
Odor:	Very mild odor	Odor Threshold (ppm):	Not applicable
pH:	Not applicable		
Melting Point:	Approx. 160°C (320°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):	Not determined		
Vapor Density (Air = 1):	Not applicable	Relative Density:	1.084 g/ml (9 g/tag)
Specific Gravity (H <sub>2</sub> O = 1):	Not applicable		
Solubility in Water:	Insoluble		
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. Store away from direct sunlight.		
Chemicals to Avoid:	None known		
Hazardous Decomposition Products:	Burning may produce CO, CO <sub>2</sub> , chlorine, hydrogen chloride or toxic oxides of nitrogen.		

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

Eyes:	May cause moderate eye irritation. Avoid rubbing eyes when handling. If contacted, flush with water for 15-20 minutes.
Skin:	Acute dermal LD <sub>50</sub> >5000 mg/kg (rats, albino) for whole tags. May be harmful if absorbed through skin. Wear chemical resistant gloves when applying tags. Wash thoroughly with soap & water after use.
Ingestion:	Acute oral LD <sub>50</sub> >300 mg/kg (rats, estimated) for whole tag. May be harmful if swallowed. Do not store near food products.
Inhalation:	May be harmful if inhaled. Low hazard with normal outdoor use.

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: Central nervous system depression. Prolonged unprotected contact with large numbers of tags may produce allergic skin sensations or irritations on certain individuals (transient skin flushing).			

**SECTION 12: ECOLOGICAL INFORMATION**

This product is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment wash waters, rinsate or 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:** Not regulated for transport

**IATA:** Not regulated for transport

**VESSEL (IMO/MDG):**

UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (abamectin mixture), Class 9, PG III, Limited Quantity, Marine Pollutant

**SECTION 15: REGULATORY INFORMATION**

Abamectin 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**

Harmful if swallowed.

Personal Protective Equipment: Some materials that are chemical resistant to this product are barrier laminate butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride, viton. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart. Applicators and other handlers must wear: - Long sleeved shirt and long pants; - Shoes plus socks; - Chemical resistant gloves.

**SECTION 16: OTHER INFORMATION**

Revision date: 4/1/16 USA EPA Reg. No.: 39039-17; USA Establishment No.: 39039-WY-01; U.S. Patent No. 8,425,925 B2

Australia APVMA Reg. No. 62199/52256 (Agressor®), Chile Reg. SAG No. 2235 (Kontrola®), Mexico Reg. SAGARPA Q-0273-223 (Kontrola®), Peru Reg. SENASA F.87.17.1.0121 (Expert Gold), Uruguay nro. A-5330 (XP 820)

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