

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 12.10.2015

Revision: 12.10.2015

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** Y-TEX AGRESSOR CATTLE EAR TAGS

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Insecticidal ear tags

**Details of Manufacturer or Importer:**

Landmark Operations Limited  
Suite 3, Level 1, Building B  
11 Talavera Road  
Macquarie Park NSW 2113

**Phone Number:** 02 9889 5400

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



skull and crossbones

Acute Tox. 2      H300 Fatal if swallowed.

Acute Tox. 2      H330 Fatal if inhaled.



health hazard

Repr. 2            H361 Suspected of damaging fertility or the unborn child.

STOT RE 1        H372 Causes damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure.



environment

Aquatic Acute 1    H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

**Signal Word** Danger

**Hazard Statements**

H300+H330 Fatal if swallowed or if inhaled.

H361            Suspected of damaging fertility or the unborn child.

H372            Causes damage to the central nervous system and the peripheral nervous system through prolonged or repeated exposure.

H410            Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P260            Do not breathe dust/fume/gas/mist/vapours/spray.

P284            [In case of inadequate ventilation] wear respiratory protection.

P280            Wear protective gloves/protective clothing/eye protection/face protection.

P273            Avoid release to the environment.

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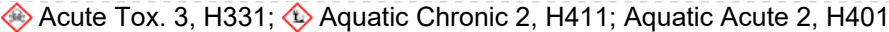
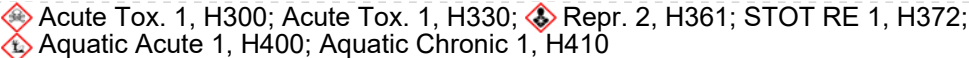
**Product Name: Y-TEX AGRESSOR CATTLE EAR TAGS**

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- P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P320 Specific treatment is urgent (see on this label).  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P314 Get medical advice/attention if you feel unwell.  
 P330 Rinse mouth.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

### 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

51-03-6	1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl- 	20%
71751-41-2	abamectin (combination of avermectin B1a and avermectin B1b) (ISO) 	8%

### 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for 15 to 20 minutes. Seek medical attention if symptoms persist.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Fatal if inhaled.

Skin Contact: May be harmful in contact with skin.

Eye Contact: May cause eye irritation.

Ingestion: Fatal if swallowed.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog or foam.

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**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride and chlorine.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection and protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Collect the spilled material and place into a suitable container for disposal.

### 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, open flames and direct sunlight. Store below 30 °C.

### 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:** Respiratory protection is not required under normal use conditions.

**Skin Protection:**

Chemical resistant gloves made out of any waterproof material. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:** Eye protection is not required under normal conditions of use.

### 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Ear tag
<b>Colour:</b>	Gold coloured
<b>Odour:</b>	Mild

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<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/Melting range:</b>	~160 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	No information available
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	Not determined
<b>Relative Density:</b>	1.084
<b>Vapour Density:</b>	Not applicable.
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, open flames and direct sunlight.

**Incompatible Materials:** No information available

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, hydrogen chloride and chlorine.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**

**51-03-6 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-**

Oral	LD <sub>50</sub>	7181 mg/kg (rat)
Dermal	LD <sub>50</sub>	>2000 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	>5.9 mg/l (rat)

For the product:

Oral LD50 >300 mg/kg (estimated for whole tag)

Oral LD50 (rat) >225.4 mg/kg (estimated for small particles)

Dermal LD50 (rat) >5000 mg/kg (for whole tag)

### Acute Health Effects

**Inhalation:** Fatal if inhaled.

**Skin:** May be harmful in contact with skin.

**Eye:** May cause eye irritation.

**Ingestion:** Fatal if swallowed.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

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**Carcinogenicity:**

Piperonyl butoxide is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:**

Suspected of damaging fertility or the unborn child.

Abamectin is classified by Safe Work Australia as Toxic to Reproduction Category 3.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged contact may cause skin sensitisation resulting in an allergic skin reaction, irritation or skin flushing.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for piperonyl butoxide for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 16 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

The Australian Acceptable Daily Intake (ADI) for abamectin for a human is 0.0005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', June 2014).

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available**Aquatic toxicity:****51-03-6 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-**LC<sub>50</sub> >5620 ppm (bobwhite quail) (5 day dietary)

&gt;5620 ppm (mallard) (5 day dietary)

LC<sub>50</sub>/48 h 0.51 ppm (daphnia)LC<sub>50</sub>/96 h 5.37 ppm (bluegill)

6.12 ppm (rainbow trout)

LD<sub>50</sub> >2250 mg/kg (bobwhite quail)

Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

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### 14 . TRANSPORT INFORMATION

**UN Number** Not regulated  
**Proper Shipping Name** Not regulated  
**Dangerous Goods Class** Not regulated  
**Packing Group:** Not regulated

### 15 . REGULATORY INFORMATION

#### Australian Inventory of Chemical Substances:

51-03-6	1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-
71751-41-2	abamectin (combination of avermectin B1a and avermectin B1b) (ISO)

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
 Poisons Schedule: 7

### 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 12.10.2015

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

#### Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

#### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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