

Safety Data Sheet

according to WHS Regulations

Printing date 17.12.2020

Revision: 17.12.2020

1 Identification

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:**

Nutrien Ag Solutions Limited
 Level 5, Building A, 26 Talavera Road,
 Macquarie Park NSW 2113, AUSTRALIA

Phone Number: (02) 9889 5400**Emergency telephone number:** 1800 44 88 92

2 Hazard(s) 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 Toxicity (Oral) 3 H301 Toxic if swallowed.

Acute Toxicity (Inhalation) 2 H330 Fatal if inhaled.



health hazard

Toxic To Reproduction 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 2 H373 May cause 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**

H301 Toxic if swallowed.

H330 Fatal if inhaled.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause 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

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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- P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P330 Rinse mouth.
 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.
 P320 Specific treatment is urgent (see on this label).
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 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:

CAS: 51-03-6	Piperonyl butoxide	20%
	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 71751-41-2	Abamectin (combination of avermectin B1a and avermectin B1b) (ISO)	8%
	 Acute Toxicity (Oral) 2, H300; Acute Toxicity (Inhalation) 1, H330;  Toxic To Reproduction 2, H361; STOT RE 1, H372;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

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 at least 15 minutes. Seek medical attention if symptoms occur.

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: Toxic if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use water fog or alcohol-resistant foam.

Specific Hazards Arising from the Chemical:

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

This product is not flammable, but may burn or decompose in a fire.

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Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers. Prevent firefighting run-off from entering drains or water courses.

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 of dust/fumes. 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.

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:	Ear tag
Form:	Solid
Colour:	Gold coloured
Odour:	Mild
Odour Threshold:	No information available
pH-Value:	No information available

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Melting point/freezing point:	~160 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	This product is not flammable, but may burn or decompose in a fire.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Not determined
Relative Density:	1.084
Vapour Density:	Not applicable
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	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 storage and use.

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

Incompatible Materials: None known.

Hazardous Decomposition Products:

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

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 71751-41-2 Abamectin (combination of avermectin B1a and avermectin B1b) (ISO)

Oral	LD50	1.5 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalation	LC50/4 h	1100 mg/m ³ (rat)

CAS: 51-03-6 Piperonyl butoxide

Oral	LD50	5630 mg/kg (rat) (OECD Test Guideline 401)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalation	LC50/4 h	>5.9 mg/l (rat) (OECD Test Guideline 402)

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: Toxic 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.

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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.**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.**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 NOAEL 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 0.001 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.12 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: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

CAS: 71751-41-2 Abamectin (combination of avermectin B1a and avermectin B1b) (ISO)

EC50/48 h < 0.001 mg/l (daphnia)

LC50/96 h 0.004 mg/l (rainbow trout)

EC50/96 h 7.3096 mg/l (algae)

CAS: 51-03-6 Piperonyl butoxide

LD50 >2,250 mg/kg (bobwhite quail)

LC50/96 h 6.12 mg/l (rainbow trout)

EC50/48 h 0.05 mg/l (daphnia) (OECD Test Guideline 202)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

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Special Precautions for Landfill or Incineration:

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

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 Industrial Chemicals:**

CAS: 51-03-6 Piperonyl butoxide

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 Other Information**Date of Preparation or Last Revision:** 17.12.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

LC50: Lethal concentration, 50 percent

LD50: 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)

Acute Toxicity (Oral) 2: Acute toxicity - oral – Category 2

Acute Toxicity (Oral) 3: Acute toxicity - oral – Category 3

Acute Toxicity (Inhalation) 1: Acute toxicity - inhalation – Category 1

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Data altered compared to the previous version:

Section 3: Hazard statements. Section 4: Symptoms caused by exposure. Section 5: Specific hazards arising from the chemical. Section 7: Handling and storage. Section 9: Physical and chemical properties. Section 12: Aquatic toxicity. Section 15: Australian Inventory of Industrial Chemicals, Poisons schedule.

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 - July 2020"

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