Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

1 Identification

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL 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

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 subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).

environment

Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

Skin Corrosion/Irritation 2	H315	Causes skin irritation.
Skin Sensitisation 1	H317	May cause an allergic skin reaction.

Signal Word Warning

Hazard Statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL CATTLE EAR TAGS

(Contd. of page 1)

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 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Flammable Liquids 4, H227	20%
CAS: 52315-07-8	zeta-Cypermethrin Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1, H317; STOT SE 3, H335	10%

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 for 15- 20 minutes. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for 15- 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 medical attention if symptoms occur.

Symptoms Caused by Exposure:
Inhalation: No adverse health effects expected.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Eye Contact: May cause eye irritation.
Ingestion: No adverse health effects expected.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, dry chemical, foam or carbon dioxide.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon, hydrogen cyanide, hydrogen chloride and chlorine.
This product is not flammable, but may burn or decompose in a fire.
Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL CATTLE EAR TAGS

(Contd. of page 2)

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:
Rubber or other non-permeable gloves. 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:	
Form:	Ear tag
Colour:	Dark blue
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	~150 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	0.0000000019 mm Hg (zeta-cypermethrin)
Relative Density:	1.14

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL CATTLE EAR TAGS

(Contd. of page 3)

Vapour Density at 25 °C: 1.219 g/cm³ (zeta-cypermethrin)
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 use.

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

Incompatible Materials: No information available

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

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
Oral	LD50	>500 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)

CAS: 51-03-6 Piperonyl butoxide		
Oral	LD50	7,181 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalation	LC50/4 h	>5.9 mg/l (rat)

CAS: 52315-07-8 zeta-Cypermethrin		
Oral	LD50	82-779 mg/kg (mice)
		150-500 mg/kg (rat)
Dermal	LD50	1,600 mg/kg (rat)
		>2,000 mg/kg (rabbit)
Inhalation	LC50/4 h	>0.2 mg/l (rat)

Acute Health Effects
Inhalation: No adverse health effects expected.
Skin: Causes skin irritation. May cause an allergic skin reaction.
Eye: May cause eye irritation.
Ingestion: No adverse health effects expected.

Skin Corrosion / Irritation: Causes skin irritation.

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

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

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

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL CATTLE EAR TAGS

(Contd. of page 4)

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

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 ADI for zeta-Cypermethrin for a human is 0.07 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 7 mg/kg/day.
(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: 51-03-6 Piperonyl butoxide	
LC□□	>5620 ppm (bobwhite quail) (5 day dietary)
	>5620 ppm (mallard) (5 day dietary)
LC□□/48 h	0.51 ppm (daphnia)
LC□□/96 h	5.37 ppm (bluegill)
	6.12 ppm (rainbow trout)
LD□□	>2250 mg/kg (bobwhite quail)
CAS: 52315-07-8 zeta-Cypermethrin	
LC50/96 h	0.0018 mg/l (bluegill)
	0.0002 mg/l (daphnia)
	0.0082 mg/l (rainbow trout)

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.

14 Transport Information

UN Number

ADG Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).

IMDG, IATA UN3077

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

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(Contd. of page 5)

Proper Shipping Name
ADG Not regulated
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Piperonyl butoxide, Zeta-cypermethrin), MARINE POLLUTANT
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Piperonyl butoxide, Zeta-cypermethrin)

Dangerous Goods Class
ADG Class: Not regulated
IMDG Class: 9 Miscellaneous dangerous substances and articles.

Packing Group:
ADG Not regulated
IMDG, IATA III

Marine pollutant: Yes

EMS Number: F-A,S-F

Hazchem Code: 2Z

Special Provisions: 274, 331, 335, 375, AU01

Limited Quantities: 5kg

Packagings & IBCs - Packing Instruction: P002, IBC08, LP02

Packagings & IBCs - Special Packing Provisions: PP12, B3

Portable Tanks & Bulk Containers - Instructions: T1, BK2, BK3

Portable Tanks & Bulk Containers - Special Provisions: TP33

15 Regulatory Information

Australian Inventory of Chemical Substances:	
CAS: 51-03-6	Piperonyl butoxide
CAS: 52315-07-8	zeta-Cypermethrin

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 16.09.2020

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
Flammable Liquids 4: Flammable liquids – Category 4

(Contd. on page 7)

Safety Data Sheet
according to WHS Regulations

Printing date 16.09.2020 Revision: 16.09.2020

Product Name: Y-TEX PYTHON MAXIMA INSECTICIDAL CATTLE EAR TAGS

(Contd. of page 6)

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Skin Sensitisation 1: Skin sensitisation, Hazard Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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 1: Details of Manufacturer or Importer.
Section 1: Phone Number.
Section 1: Emergency telephone Number.
Section 2: Hazardous Nature.
Section 2: Hazard Statements.
Section 2: Precautionary Statements.
Section 4: Symptoms Caused by Exposure.
Section 5: Special Hazards Arising from the Chemical.
Section 11: Toxicity.
Section 11: Acute Health Effects.
Section 11: Skin Corrosion / Irritation.
Section 11: Respiratory or Skin Sensitisation.
Section 11: Additional Toxicological Information.
Section 12: Aquatic Toxicity.
Section 14: UN Number.
Section 14: Proper Shipping Name.
Section 14: dangerous Goods Class.
Section 14: Packing Group.
Section 14: Hazchem Code.
Section 14: Special Provisions.
Section 14: Limited Quantities.
Section 14: Packagings and IBCs - Packing Instruction.
Section 14: Packagings and IBCs - SPecial Packing Provisions.
Section 14: Portable Tanks and Bulk Containers - Instructions.
Section 14: Portable Tanks and Bulk Containers - Special Provisions.

Disclaimer
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