

# SAFETY DATA SHEET



## PATRIOT™ INSECTICIDE CATTLE EAR TAG

Version 1.0      Revision Date: 03.03.2021      SDS Number: 122000008518      Date of last issue: -  
Date of first issue: 03.03.2021

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

PATRIOT™ INSECTICIDE CATTLE EAR TAG

Diazinon

#### Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Pesticide

#### Details of the supplier of the safety data sheet

##### Company

Elanco Australasia Pty Ltd  
Macquarie Park  
SYDNEY 2113  
AUSTRALIA  
+61 1800 226 324  
elanco\_sds@elancoah.com

##### Emergency telephone number

**In case of emergency:** CHEMTREC International: +61 2 9037 2994 (24 hours)  
or 0800 293 702 (toll free)


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) : Category 4

#### GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H302 Harmful if swallowed.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
**Disposal:**

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P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

May form explosive dust-air mixture during processing, handling or other means.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazinon	333-41-5	>= 30 -< 60
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	< 1

## SECTION 4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
- If inhaled : Remove to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.  
If skin reactions occur, contact a physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : No information available.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Dry chemical
- Unsuitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)
- Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Hydrogen chloride gas

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- Specific extinguishing methods : Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid breathing dust.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid dust formation. Use with local exhaust ventilation. Avoid contact with skin, eyes and clothing.
- Hygiene measures : Wash hands and face before breaks and immediately after handling the product. Use protective skin cream before handling the product.
- Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used. During handling local official regulations must be observed in order to avert impairment of water by the product.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Polyvinylchloride	9002-86-2	TWA (Respirable fraction)	1 mg/m <sup>3</sup>	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
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Diazinon	333-41-5	Acetylcholinesterase activity	In red blood cells	End of shift	70 % of an individual's baseline	ACGIH BEI
		Butyrylcholinesterase activity	In serum or plasma	End of shift	60 % of an individual's baseline	ACGIH BEI

### Personal protective equipment

Hand protection

Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC

Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.

Eye protection : Safety glasses

Protective measures : Wear suitable protective equipment.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Colour : orange

Odour : stinging, sulphurous

pH : No data available

Melting point / range : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Density : 1.17 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

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Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity  
    Viscosity, dynamic : Not applicable  
    Viscosity, kinematic : Not applicable  
Explosive properties : No statements available.  
Oxidizing properties : No data available  
Minimum ignition energy : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available  
Chemical stability : No data available  
Possibility of hazardous reactions : No data available  
Conditions to avoid : No data available  
Incompatible materials : Strong acids  
Strong bases  
Strong oxidizing agents  
Hazardous decomposition products : Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Hydrogen chloride gas

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 1,250 mg/kg  
Method: Calculation method

##### Components:

##### **Diazinon:**

Acute oral toxicity : LD50 (Rat): > 300 - 400 mg/kg  
Acute dermal toxicity : LD50 (Rabbit): 3,600 mg/kg

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg  
Method: OECD 423

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### Skin corrosion/irritation

#### Components:

##### **Diazinon:**

Species : Rabbit  
Result : Moderate skin irritation

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Species : Rabbit  
Method : EPA OPP 81-5  
Result : No skin irritation  
Test substance : Data on a comparable substance

### Serious eye damage/eye irritation

#### Components:

##### **Diazinon:**

Species : Rabbit  
Result : Severe eye irritation

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Species : Rabbit  
Result : No eye irritation  
Test substance : Data on a comparable substance

### Respiratory or skin sensitisation

#### Components:

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Species : Guinea pig  
Method : OECD 406  
Result : May cause sensitisation by skin contact.

### Chronic toxicity

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Test Type: Biomass  
  
NOEC (Desmodesmus subspicatus (green algae)): 33 mg/l  
Test Type: Biomass  
Method: OECD 201

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.013 mg/l  
Exposure time: 21 d  
Method: OECD 211

Toxicity to microorganisms : EC20 (Activated sludge micro-organism): > 100 mg/l  
Exposure time: 3 h  
Method: OECD 209

### Persistence and degradability

#### Components:

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Biodegradability : Result: Not readily biodegradable.

### Bioaccumulative potential

#### Components:

##### **2-(2H-benzotriazol-2-yl)-p-cresol:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Bioconcentration factor (BCF): 548 - 895  
Exposure time: 70 d  
Method: OECD 305

Partition coefficient: n-octanol/water : log Pow: 4.2 (25 °C)

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

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### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### ADG

Not regulated as a dangerous good

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## SECTION 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

No statements available.

Standard for the Uniform            : Schedule 6  
Scheduling of Medicines and  
Poisons

Prohibition/Licensing Requirements            : There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

Montreal Protocol (Ozone Depleting Substances)            : Not applicable

Montreal Protocol (Ozone Depleting Substances)            : Not applicable

Rotterdam Convention (Prior Informed Consent)            : Not applicable

Rotterdam Convention (Prior Informed Consent)            : Not applicable

Stockholm Convention (Persistent Organic Pollutants)            : Not applicable

Stockholm Convention (Persistent Organic Pollutants)            : Not applicable

### The components of this product are reported in the following inventories:

AICS    : Not in compliance with the inventory

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## SECTION 16. OTHER INFORMATION

Revision Date                                : 03.03.2021

Date format                                 : dd.mm.yyyy

### Full text of other abbreviations



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ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
  
ACGIH / TWA : 8-hour, time-weighted average

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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