

SAFETY DATA SHEET



PATRIOT™ INSECTICIDE CATTLE EAR TAG

Version 1.0 Revision Date: 06/23/2020 SDS Number: 122000008518 Date of last issue: -
Date of first issue: 23.06.2020

SECTION 1. IDENTIFICATION

Product information

Product Name : PATRIOT™ INSECTICIDE CATTLE EAR TAG
SDS Number : 122000008518

Use : Pesticide

Company

Elanco US Inc.
2500 Innovation Way
Greenfield, IN 46140
USA
+1-877-Elanco1(+1-877-3526261)
elanco_sds@elanco.com

In case of emergency: CHEMTREC International: +1 703-527-3887 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral) : Category 4

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Other hazards

None known.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Diazinon	333-41-5	40,0026
Titanium dioxide	13463-67-7	0,5
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0,5

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Not an expected entry route.

In case of skin contact : No hazards which require special first aid measures.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

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 : Any

Unsuitable extinguishing media : none

Specific hazards during fire-fighting : Fire may cause evolution of:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Hydrogen chloride gas

Further information : 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, protec- : Use personal protective equipment.

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tive equipment and emergency procedures

Methods and materials for containment and cleaning up : Loose tags (unused or spent) should be collected and stored in a closed container for future use or for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Avoid dust formation.
Use with local exhaust ventilation.
Avoid contact with skin, eyes and clothing.

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 ³	ACGIH
		TWA (Respirable fraction)	1 mg/m ³	ACGIH
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (Total dust)	10 mg/m ³	OSHA P0
		TWA (Total dust)	10 mg/m ³	OSHA P0

Personal protective equipment

Hand protection
Material : Chemically resistant gloves.

Remarks : None required for consumer use of this product.

Eye protection : Safety glasses
None required for consumer use of this product.

Protective measures : Wear suitable protective equipment.
Please consult label for end-user requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : solid
Colour : orange
Odour : stinging, sulphurous
Melting point / range : No data available
Boiling point/boiling range : No data available
Density : 1,17 g/cm³ (68 °F / 20 °C)
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Explosive properties : No statements available.
Oxidizing properties : No data available
Impact sensitivity : No data available
Minimum ignition energy : No data available

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 : Oxidizing agents
Hazardous decomposition products : Carbon monoxide (CO)
Carbon dioxide (CO₂)
Hydrogen chloride gas

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 1.250 mg/kg
Method: Calculation method
Acute dermal toxicity : Acute toxicity estimate (ATE): > 5.000 mg/kg
Method: Calculation method

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Components:**Diazinon:**

Acute oral toxicity : LD50 (Rat): > 300 - 400 mg/kg
Acute dermal toxicity : LD50 (Rabbit): 3.600 mg/kg

Titanium dioxide:

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg
Acute dermal toxicity : LD50 (Rabbit): > 10.000 mg/kg

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

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg
Method: OECD 423

Skin corrosion/irritation**Components:****Diazinon:**

Species : Rabbit
Result : Moderate skin irritation

Titanium dioxide:

Result : No 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

Titanium dioxide:

Result : No eye irritation
Remarks : Mechanical irritation of the eyes is possible.

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

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

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Respiratory or skin sensitisation

Components:

Titanium dioxide:

Method : OECD 406
Remarks : Non-sensitizer

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

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

Carcinogenicity

IARC Group 2B: Possibly carcinogenic to humans
Titanium dioxide 13463-67-7
Group 2B: Possibly carcinogenic to humans
Titanium dioxide 13463-67-7

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Titanium dioxide:

Toxicity to fish : LC50 (Cyprinodon sp. (minnow)): 240 - 370 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : LC50 (Mysidopsis almyra (Opposum shrimp)): 300 - 400 mg/l
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD 201

EC50 (Skeletonema costatum (marine diatom)): > 10.000 mg/l
Exposure time: 72 h
Method: ISO 10253

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

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

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NOEC (Desmodesmus subspicatus (green algae)): 33 mg/l
Test Type: Biomass
Method: OECD 201

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:

Titanium dioxide:

Biodegradability : Remarks: Pigments are practically not biodegradable.

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

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Components:

Titanium dioxide:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

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 (77 °F / 25 °C)

Mobility in soil

No data available

Other adverse effects

Product:

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

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If discarded in its purchased form, this product would not be a

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hazardous waste either by listing or by characteristic.

However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Respiratory or skin sensitisation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

New York City Hazardous Substances

Titanium dioxide 13463-67-7

International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable
