

SAFETY DATA SHEET

Cylence Ultra Insecticide Cattle Ear Tags

Version 2.0 Revision Date: 03/11/2019 SDS Number: 122000007125 Date of last issue: 04/04/2018
Date of first issue: 07/02/2010

SECTION 1. IDENTIFICATION

Product information

Product Name: Cylence Ultra Insecticide Cattle Ear Tags
SDS Number: 122000007125

Use : Pesticide

Company

Bayer HealthCare, LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
UNITED STATES OF AMERICA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral) : Category 3

Acute toxicity (Inhalation) : Category 4

GHS label elements

Hazard pictograms :



Signal word : **Danger**

Hazard statements : **H301 Toxic if swallowed.**
H332 Harmful if inhaled.

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.
P271 Use only outdoors or in a well-ventilated area.
Response:
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P304 + P340 + P312 IF INHALED: Remove person to fresh air

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and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cyfluthrin (ISO)	68359-37-5	8.14
Cyfluthrin (ISO)	68359-37-5	8.14
Titanium dioxide	13463-67-7	1

SECTION 4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.
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 : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Any

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

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

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Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.

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 : 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.

Recommended storage temperature : 0 - 100 °F / -18 - 38 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PVC - powder (polymer) / PVC - compound	9002-86-2	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 inhalable dust.)	10 mg/m ³	OSHA P0

Personal protective equipment

Respiratory protection : Recommended Filter type: HEPA
None required for consumer use of this product.

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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid
Colour : purple
Odour : slight, aromatic
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)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 196.56 mg/kg
Method: Calculation method
Acute inhalation toxicity : Acute toxicity estimate (ATE): 4.98 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: Calculation method

Components:

Cyfluthrin (ISO):

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Acute oral toxicity : LD50 (Rat, male): 16 mg/kg
Remarks: in water/Cremophor EL

Acute inhalation toxicity : **LC50 (Rat): 0.405 mg/l**
Exposure time: **4 h**
Test atmosphere: **dust/mist/aerosol**
Method: **OECD 403**

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Cyfluthrin (ISO):

Acute oral toxicity : LD50 (Rat, male): 16 mg/kg
Remarks: in water/Cremophor EL

Acute inhalation toxicity : **LC50 (Rat): 0.405 mg/l**
Exposure time: **4 h**
Test atmosphere: **dust/mist/aerosol**
Method: **OECD 403**

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg
Assessment: No adverse effect has been observed in acute toxicity tests.

Titanium dioxide:

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

Acute dermal toxicity : LD50 (Rabbit): > 10,000 mg/kg

Skin corrosion/irritation

Components:

Cyfluthrin (ISO):

Species : Rabbit
Method : OECD 404
Result : No skin irritation

Cyfluthrin (ISO):

Species : Rabbit
Method : OECD 404
Result : No skin irritation

Titanium dioxide:

Result : No skin irritation
Remarks : TiO₂ pigments are not irritant but as with all fine powders can adsorb moisture and natural oils from the surface of the skin during prolonged exposure.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Cyfluthrin (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.00047 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

LC50 (Leuciscus idus (Golden orfe)): 0.0032 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.0032 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.00016 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC50 (activated sludge micro-organism): > 10,000 mg/l
Method: OECD 209

Cyfluthrin (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.00047 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

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LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.0032 mg/l
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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.00016 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC50 (activated sludge micro-organism): > 10,000 mg/l
Method: OECD 209

Titanium dioxide:

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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

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

Components:

Cyfluthrin (ISO):

Biodegradability : Result: rapidly biodegradable

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Biodegradability : Result: rapidly biodegradable

Titanium dioxide:

Biodegradability : Remarks: Pigments are practically not biodegradable.

Bioaccumulative potential

Components:

Cyfluthrin (ISO):

Bioaccumulation : Bioconcentration factor (BCF): 506

Partition coefficient: n-octanol/water : log Pow: 5.9 - 6.18 (72 °F / 22 °C)

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Bioaccumulation : Bioconcentration factor (BCF): 506

Partition coefficient: n-octanol/water : log Pow: 5.9 - 6.18 (72 °F / 22 °C)

Titanium dioxide:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

No data available

Other adverse effects

Product:

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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 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

US Land transport (CFR)
non-regulated

Sea transport (IMDG)
non-regulated

Air transport (IATA)
non-regulated

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 : Immediate Health Hazard
Acute toxicity (any route of exposure)

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Piperonyl butoxide	51-03-6	20 %
Cyfluthrin (ISO)	68359-37-5	8.14 %

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US State Regulations

Massachusetts Right To Know

Titanium dioxide 13463-67-7

Pennsylvania Right To Know

Titanium dioxide 13463-67-7

New York City Hazardous Substances

Titanium dioxide 13463-67-7

California Permissible Exposure Limits for Chemical Contaminants

Titanium dioxide 13463-67-7

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

TSCA : Not On TSCA Inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:

Health - 2 Flammability - 2 Instability - 0 Others -

HMIS® IV:

Health - 2 Flammability - 1 Instability - 0 Others -

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
1910.1000
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-
its for Air Contaminants
ACGIH / TWA : 8-hour, time-weighted average
OSHA P0 / TWA : 8-hour time weighted average
OSHA Z-1 / TWA : 8-hour time weighted average

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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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