

# **MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:**  
**Cylence Ultra Ear Tags**

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## SAFETY DATA SHEET

12200007125

**Cylence Ultra Insecticide Cattle Ear Tags**

Version 1.1

Revision Date 10/28/2010

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

**Product Name:** Cylence Ultra Insecticide Cattle Ear Tags  
**MSDS Number:** 12200007125

**Company**

BAYER HEALTHCARE LLC  
Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846  
UNITED STATES  
(800) 633-3796

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

**2. HAZARDS IDENTIFICATION****Emergency Overview**

**ATTENTION! Colour:** purple **Form:** solid **Odour:** Slight, aromatic.  
May cause eye, skin, and respiratory tract irritation. Harmful if ingested, inhaled or absorbed through the skin. Harmful if swallowed.

**Hazard Communication (29CFR 1910.1200)**

Eye Contact Skin Absorption Skin Contact

**Acute Inhalation Hazards**

Exposure during the end use of this product is expected to be minimal. The active ingredient is toxic by inhalation. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

**Acute Skin Hazards**

May cause irritation with symptoms of reddening and itching. Paraesthesia (a tingling or burning sensation on the surface of the skin) may result from skin contact with synthetic pyrethroids and normally subsides without treatment within 24 hours. Toxic by skin absorption

**Acute Eye Hazards**

May cause irritation with symptoms of reddening, tearing and stinging.

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<b>Acute Ingestion Hazards</b>	Moderately toxic by ingestion.
<b>Chronic Effects of Exposure</b>	No applicable information was found concerning any adverse chronic health effects from overexposure to this product.
<b>Medical Conditions Aggravated by Exposure</b>	Eye disorders, Skin disorders, Respiratory tract disorders, Kidney disorders, Liver disorders
Metal oxide	<b>IARC</b> - Overall evaluation: Possibly carcinogenic to humans.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
10 - 30%	Heterocyclic compound	
1 - 5%	Metal oxide	
5 - 10%	beta-Cyfluthrin	68359-37-5

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**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.

**Contact Number:** Use the Bayer Emergency Number in Section 1

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Any

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**Specific hazards during fire fighting:** Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

**Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Use personal protective equipment.

**Methods for 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).

**Additional advice:** Avoid dust formation.

**Further Accidental Release Notes**      Avoid dust formation.

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**7. HANDLING AND STORAGE****Handling:**

Avoid dust formation. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition.

**Storage:**

Storage temperature: 0 - 100 °F (-17.78 - 37.78 °C)

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Metal oxide**

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 10 mg/m<sup>3</sup>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 15 mg/m<sup>3</sup> (Total dust.)

US. ACGIH Threshold Limit Values

Hazard Designation: Not classifiable as a human carcinogen.

**Respiratory protection:**

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Recommended Filter type: HEPA

**Hand protection:**

Chemically resistant gloves.

**Eye protection:**

Safety glasses

**Other protective measures:**

Wear suitable protective equipment.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Colour:	purple
Odour:	Slight aromatic
Melting point:	no data available
Density:	no data available
Bulk density:	no data available
Vapour pressure:	not applicable
Water solubility:	no data available
pH:	no data available
Partition coefficient (n-octanol/water):	no data available
Solubility in organic solvents:	no data available
Ignition temperature:	no data available

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**10. STABILITY AND REACTIVITY**

**Conditions to avoid:** no data available

**Materials to avoid:** Oxidizing agents

**Hazardous reactions:** None known.

**Thermal decomposition:**

no data available

**Hazardous decomposition products:**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

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**11. TOXICOLOGICAL INFORMATION****Other information on toxicity:**

Metal oxide

As with any nuisance dust, long-term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects.

**Acute oral toxicity:**

Heterocyclic compound

LD50 rat: 6,150 mg/kg

Metal oxide

LD50 rat: &gt; 20,000 mg/kg

beta-Cyfluthrin

LD50 rat, male: 84 - 380 mg/kg

LD50 rat, female: 77 - 651 mg/kg

**Acute inhalation toxicity:**

Metal oxide

LC50 rat: &gt; 6.8 mg/l, 4 h

beta-Cyfluthrin

LC50 rat: 0.08 mg/l, 4 h

LC50rat: 0.53 mg/l, 4 h

**Acute dermal toxicity:**

Heterocyclic compound

LD50 rabbit: 200 mg/kg

Metal oxide

LD50 rabbit: &gt; 10,000 mg/kg

**Skin irritation:**

Metal oxide

TiO<sub>2</sub> 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.

beta-Cyfluthrin

rabbit

Result: slight irritation

**Eye irritation:**

Metal oxide

possibly mechanical irritation

beta-Cyfluthrin

rabbit

Result: Slightly irritating

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**Sensitisation:**

beta-Cyfluthrin

guinea pig

Result: Non-sensitizer

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**12. ECOLOGICAL INFORMATION****General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Metal oxide

static test: LC0 &gt; 1,000 mg/l

Test species: *Leuciscus idus* (Golden orfe) Duration of test: 48 h

static test: LC0 &gt; 1,000 mg/l

Test species: *Phoxinus phoxinus* (Eurasian minnow) Duration of test: 30 d

static test: LC0 3 mg/l

Test species: *Coregonus autumnalis migratorius* G. (Omul) Duration of test: 30 d

Acute Fish toxicity: LC50 240 - 370 mg/l

Test species: Sheepshead minnow (*Cyprinodon variegatus*) Duration of test: 96 h**Toxicity to daphnia and other aquatic invertebrates:**

Metal oxide

static test EC0 &gt; 3 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 30 d

LC50 300 - 400 mg/l

Test species: *Mysidopsis almyra* (Opposum shrimp) Duration of test: 96 h

Reproduction Test EC100 500 mg/l

Test species: *Daphnia magna* (Water flea) Duration of test: 30 d**Toxicity to bacteria:**

Metal oxide

EC0 &gt; 10,000 mg/l

tested on: *Pseudomonas fluorescens*

Duration of test: 24 h

&gt; 5,000 mg/l

tested on: *Escherichia coli***Biodegradability:**

Metal oxide

Pigments are practically not biodegradable.

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**Bioaccumulation:**

Metal oxide

Bioaccumulation is unlikely.

beta-Cyfluthrin

Bioaccumulative potential

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**13. DISPOSAL CONSIDERATIONS**

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)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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**14. TRANSPORT INFORMATION****Land transport (DOT)**

Non-Regulated

**Inland waterway transport**

Non-Regulated

**Railway transport**

Non-Regulated

**Sea transport (IMDG)**

Non-Regulated

**Air transport (ICAO / IATA cargo aircraft only)**

Non-Regulated

**Air transport (ICAO / IATA passenger and cargo aircraft)**Non-Regulated

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**15. REGULATORY INFORMATION****US. Toxic Substances Control Act**

This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**



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**Components**

None

**SARA Section 311/312 Hazard Categories**

Immediate Health Hazard

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

**Components**

Heterocyclic compound  
beta-Cyfluthrin

**US. EPA CERCLA Hazardous Substances (40 CFR 302)Components**

None

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

Weight percent	Components	CAS-No.
1 - 5%	Metal oxide	

**New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists**

Weight percent	Components	CAS-No.
10 - 30%	Heterocyclic compound	

**California Prop. 65**

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

**OSHA Hazcom Standard Rating**

Hazardous

**16. OTHER INFORMATION**

**NFPA 704M Rating**

Health	2
Flammability	2
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Further information**

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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