



# SAFETY DATA SHEET

## Cydectin Pour-on

Version 1.2

Revision Date 08/25/2017

122000009487  
Print Date 08/25/2017

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information

**Product Name:** Cydectin Pour-on  
**Synonyms:** Cydectin Pour-on 0.5 %  
**SDS Number:** 122000009487

**Use** : Parasiticide

#### 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

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Classification according to national GHS implementation:

Flammable liquids, Category 4 (H227)  
Skin irritation, Category 2 (H315)  
Aspiration hazard, Category 1 (H304)

#### Label elements

#### Labelling according to national GHS implementation:



Danger

#### Hazard statements:

H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.

#### Precautionary statements:

Prevention:  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.



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### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

### Hazardous components which must be listed on the label:

Components:	CAS-No.
Naphtha (petroleum), hydrotreated light	64742-49-0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

#### Hazardous components

##### Naphtha (petroleum), hydrotreated light

Concentration [Weight percent] 12.9

CAS-No.: 64742-49-0

CAS name: Naphtha (petroleum), hydrotreated light

#### GHS Classification:



Flam. Liq. 2 H225

Skin Irrit. 2 H315

STOT SE 3 H336

Asp. Tox. 1 H304

##### Moxidectin

Concentration [Weight percent] 0.5

CAS-No.: 113507-06-5

CAS name: Milbemycin B, 5-O-demethyl-28-deoxy-25-[(1E)-1,3-dimethyl-1-butenyl]-6,28-epoxy-23-(methoxyimino)-, (6R,23E,25S)-

#### GHS Classification:



Acute Tox. 3 H301

Acute Tox. 4 H332

#### contains

##### tert-butyl-4-methoxyphenol

Concentration [Weight percent] 0.03

CAS-No.: 25013-16-5

CAS name: Phenol, (1,1-dimethylethyl)-4-methoxy-

#### GHS Classification:



Acute Tox. 4 H302

Aquatic Chronic 2 H411

For the full text of the H-Statements mentioned in this Section, see Section 16.



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#### 4. FIRST AID MEASURES

##### Description of first aid measures

**General advice:** Take off all contaminated clothing immediately.

**If inhaled:** Remove to fresh air. Call a physician immediately.

**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 acute symptoms/effects

##### Indication of any immediate medical attention and special treatment needed

#### 5. FIREFIGHTING MEASURES

##### Extinguishing media

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** High volume water jet

##### Special hazards arising from the substance or mixture

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

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

##### Advice for firefighters

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

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

##### Environmental precautions

##### Methods and materials for containment and cleaning up

**Methods for cleaning up:** Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.



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### Reference to other sections

**Additional advice:** Keep away from/remove sources of ignition.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling:

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

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

### Conditions for safe storage, including any incompatibilities

### Specific end use(s)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Naphtha (petroleum), hydrotreated light	64742-49-0	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0

### Hazardous components without workplace control parameters

Components	CAS-No.
Moxidectin	113507-06-5

### Personal protective equipment

- Respiratory protection : Recommended Filter type:  
Organic vapor with prefilter  
  
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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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Information on basic physical and chemical properties

Form:	oily
Colour:	dark violet
Odour:	characteristic aromatic
Melting point/range:	-17.9 - -10.4 °C
Boiling point/boiling range:	No statements available.
Density:	0.918 g/cm <sup>3</sup> at 20 °C at 1,013 hPa
Bulk density:	Not applicable
Vapour pressure:	No statements available.
Viscosity, dynamic:	26 cps at 20 °C
Viscosity, kinematic:	No statements available.
Flow time:	No statements available.
Surface tension:	No statements available.
Water solubility:	No statements available.
Solubility(ies):	No statements available.
pH:	No statements available.
Corrosive to metal:	No statements available.
Partition coefficient (n-octanol/water):	No statements available.
Auto-flammability:	No statements available.
Flash point:	65.5 °C
Inflammability (solid, gaseous):	Not applicable
Explosion limits:	Naphtha (petroleum), hydrotreated light upper: 8.3 %(V) lower: 0.7 %(V)

##### Other information

Miscibility with water: No statements available.

#### 10. STABILITY AND REACTIVITY

##### Reactivity

No statements available.

##### Reactions with water / air:

No statements available.

##### Ignition temperature:

**Naphtha (petroleum), hydrotreated light**

250 °C

##### Burning number:

No statements available.



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### Chemical stability

**Thermal decomposition:**

No data available

**Dust explosion characteristic number:**

Not applicable

**Dust explosion class:**

Not applicable

**Impact sensitivity:**

No data available

**Hazardous reactions:**

None known.

**Explosive properties:**

No statements available.

### Possibility of hazardous reactions

**deflagration ability:**

No statements available.

**Smoldering combustion:**

No statements available.

**Conditions to avoid**

No data available

**Minimum ignition energy:**

No data available

**Oxidizing properties:**

No statements available.

### Incompatible materials

**Materials to avoid:**

Oxidizing agents

**Hazardous decomposition products**

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

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product:**

Acute oral toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate (ATE): 113.38 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol



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Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **Naphtha (petroleum), hydrotreated light:**

Acute oral toxicity : LD50 (Rat): > 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 23.3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol

Acute dermal toxicity : LD50 (Rabbit): > 2,800 mg/kg

#### **Moxidectin:**

Acute oral toxicity : LD50 (Rat): 106 mg/kg  
Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): 4.1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol  
Method: Calculation method  
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The component/mixture is minimally toxic after single contact with skin.

Acute toxicity (other routes of administration) : LD50 (Rat): 394 mg/kg  
Application Route: intraperitoneal

LD50 (Rat): > 640 mg/kg  
Application Route: subcutaneous

### **Skin corrosion/irritation**

#### Components:

#### **Naphtha (petroleum), hydrotreated light:**

Species: Rabbit

Result: Causes skin irritation.

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

#### **Moxidectin:**

Result: Moderate skin irritation



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### Serious eye damage/eye irritation

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Species: Rabbit  
Result: No eye irritation  
Method: Draize Test

### Respiratory or skin sensitisation

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Test Type: Skin sensitisation  
Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

#### **Moxidectin:**

Assessment: Toxic if swallowed., Harmful if inhaled.

### Germ cell mutagenicity

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative

: Test Type: Chromosome aberration test in vitro  
Species: Hamster ovary-cells  
Result: negative

Genotoxicity in vivo : Test Type: In vivo Cytogenetic Test  
Species: Rat  
Result: Evidence of a genotoxic effect.

Test Type: Micronucleus test  
Species: Mouse  
Result: negative

### Carcinogenicity

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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.



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### STOT - single exposure

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Exposure routes: Inhalation

Assessment: May cause drowsiness or dizziness.

#### Components:

##### **Moxidectin:**

Repeated dose toxicity - : Toxic if swallowed., Harmful if inhaled.

Assessment

### Aspiration toxicity

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

May be fatal if swallowed and enters airways.

### Further information

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Remarks: **Risk of serious damage to the lungs (by aspiration).**

**May cause lung damage if swallowed.**

Remarks: Risk of cutaneous absorption.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **Naphtha (petroleum), hydrotreated light:**

Toxicity to fish : NOEC (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Crangon crangon (shrimp)): 4.3 mg/l  
Exposure time: 96 h

##### **Moxidectin:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,16 µg/l  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.00003 mg/l

Toxicity to algae : EC50 (Selenastrum Capricornutum (Green algae)): 0.087 mg/l



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### Ecotoxicology Assessment

- Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### Persistence and degradability

#### Components:

#### **Naphtha (petroleum), hydrotreated light:**

- Biochemical Oxygen Demand (BOD) : 70 mg/l  
Incubation time: 5 d  
Chemical Oxygen Demand (COD) : 130 mg/g

#### **Moxidectin:**

- Stability in water : Degradation half life: 180 d

#### **Bioaccumulative potential**

No data available

#### **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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## 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)

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## 14. TRANSPORT INFORMATION

Please note that limited quantities, consumer commodity regulations or other exemptions may apply.

### Land transport (CFR)

**Proper shipping name:** COMBUSTIBLE LIQUID, N.O.S. (contains SOLVENT



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	NAPHTHA (PETROLEUM), LIGHT AROMATIC)
<b>Hazard Class or Division:</b>	Combustible liquid
<b>UN/NA Number</b>	1993
<b>Packaging group</b>	III
<b>Hazard Label(s):</b>	None
<b><u>Sea transport (IMDG)</u></b>	
<b>UN Number</b>	3082
<b>Description of the goods</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MOXIDECTIN)
<b>Class</b>	9
<b>Packaging group</b>	III
<b>IMDG-Labels</b>	9
<b>EmS Number</b>	F-A
<b>Marine pollutant</b>	yes
<b><u>Air transport (IATA)</u></b>	
<b>UN Number</b>	3082
<b>Description of the goods</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MOXIDECTIN)
<b>Class</b>	9
<b>Packaging group</b>	III
<b>Dangerous goods labels</b>	9
<b>Environmentally hazardous</b>	yes

### 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 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

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

**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

tert-butyl-4-methoxyphenol

25013-16-5



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### Pennsylvania Right To Know

Naphtha (petroleum), hydrotreated light 64742-49-0

### New York City Hazardous Substances

Naphtha (petroleum), hydrotreated light 64742-49-0

**California Prop. 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

tert-butyl-4-methoxyphenol 25013-16-5

### California List of Hazardous Substances

Naphtha (petroleum), hydrotreated light 64742-49-0

### California Permissible Exposure Limits for Chemical Contaminants

Naphtha (petroleum), hydrotreated light 64742-49-0

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

TSCA Not On TSCA Inventory  
Hexanoic acid, 2-ethyl-, C16-18-alkyl esters  
Moxidectin

### TSCA list

No substances are subject to a Significant New Use Rule.

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

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## 16. OTHER INFORMATION

### Full text of H-Statements mentioned in chapters 2 and 3

H225 Highly flammable liquid and vapour.  
H227 Combustible liquid.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### 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.