

# SAFETY DATA SHEET



## CyLence Pour-On Insecticide

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007065      Date of last issue: -  
Date of first issue: 23.06.2020

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### SECTION 1. IDENTIFICATION

#### Product information

Product Name : CyLence Pour-On Insecticide  
SDS Number : 122000007065

Use : Pesticide

#### Company

Elanco Canada Ltd.  
150 Research Lane  
Suite 120  
Guelph, ON N1G 4T2  
CANADA  
1-800-265-5475  
elanco\_sds@elanco.com

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

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids : Category 4  
Eye irritation : Category 2B

#### GHS label elements

Signal word : Warning

Hazard statements : H227 Combustible liquid.  
H320 Causes eye irritation.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Other hazards

The material can accumulate static charge and can therefore cause electrical ignition.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Cyfluthrin (ISO)	68359-37-5	1,2
Dipropylene glycol methyl ether	34590-94-8	98,8
Dipropylene glycol methyl ether	34590-94-8	98,7999
Cyfluthrin (ISO)	68359-37-5	1,2

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### 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 : If skin reactions occur, contact a physician.

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.  
No information available.

Notes to physician : No information available.

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### SECTION 5. FIREFIGHTING MEASURES

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

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : 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.

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

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Keep away from heat and sources of ignition.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and 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.

### 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 formation of aerosol.  
Use with local exhaust ventilation.  
Avoid contact with skin, eyes and clothing.
- 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.
- Recommended storage temperature : < 30 °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
Dipropylene glycol methyl ether	34590-94-8	TWA	100 ppm 606 mg/m <sup>3</sup>	CA AB OEL
		TWA	100 ppm 606 mg/m <sup>3</sup>	CA AB OEL
		STEL	150 ppm 909 mg/m <sup>3</sup>	CA AB OEL
		STEL	150 ppm 909 mg/m <sup>3</sup>	CA AB OEL
		TWA	100 ppm	CA BC OEL
		TWA	100 ppm	CA BC OEL
		STEL	150 ppm	CA BC OEL
		STEL	150 ppm	CA BC OEL
		TWAEV	100 ppm 606 mg/m <sup>3</sup>	CA QC OEL
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		STEV	150 ppm 909 mg/m <sup>3</sup>	CA QC OEL
		TWA	100 ppm	ACGIH
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm	ACGIH

### 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.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : yellow
- Odour : weak, aromatic
- Flash point : 79,4 °C
- Density : 0,95 g/cm<sup>3</sup>
- Solubility(ies)  
Water solubility : soluble
- 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

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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	:	Oxidizing agents Bases Air
Hazardous decomposition products	:	Carbon monoxide (CO) Carbon dioxide (CO <sub>2</sub> )

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat, male): 2.534 mg/kg LD50 (Rat, female): 2.075 mg/kg
Acute inhalation toxicity	:	(Rat): > 6,93 mg/l Exposure time: 4 h  Acute toxicity estimate (ATE): > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist/aerosol Method: Calculation method
Acute dermal toxicity	:	LD50 (Rat, male): 5.844 mg/kg LD50 (Rat, female): > 2.000 mg/kg

**Components:****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.

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### Dipropylene glycol methyl ether:

Acute oral toxicity : LD50 (Rat): 5.135 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): >20ml/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

### Dipropylene glycol methyl ether:

Acute oral toxicity : LD50 (Rat): 5.135 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): >20ml/kg  
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### 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.

### Skin corrosion/irritation

#### Product:

Result : Mild skin irritation

#### Components:

#### Cyfluthrin (ISO):

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

#### Cyfluthrin (ISO):

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

**Serious eye damage/eye irritation****Product:**

Result : Mild eye irritation

**Components:****Cyfluthrin (ISO):**

Species : Rabbit  
Result : No eye irritation  
Method : OECD 405

**Cyfluthrin (ISO):**

Species : Rabbit  
Result : No eye irritation  
Method : OECD 405

**Respiratory or skin sensitisation****Product:**

Result : Does not cause skin sensitisation.

**Components:****Cyfluthrin (ISO):**

Test Type : Skin sensitisation  
Species : Guinea pig  
Method : Magnusson and Kligmann maximization test  
Result : Did not cause sensitisation on laboratory animals.

**Dipropylene glycol methyl ether:**

Species : Human experience  
Result : Does not cause skin sensitisation.

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Species : Human experience  
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**Cyfluthrin (ISO):**

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**Germ cell mutagenicity**

**Components:**

**Cyfluthrin (ISO):**

Genotoxicity in vitro : Remarks: Tests with bacteria and mammalian cells showed no evidence of genotoxic effects.

Genotoxicity in vivo : Remarks: In vivo tests did not show mutagenic effects

**Dipropylene glycol methyl ether:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

**Dipropylene glycol methyl ether:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

**Cyfluthrin (ISO):**

Genotoxicity in vitro : Remarks: Tests with bacteria and mammalian cells showed no evidence of genotoxic effects.

Genotoxicity in vivo : Remarks: In vivo tests did not show mutagenic effects

**Carcinogenicity**

**Components:**

**Cyfluthrin (ISO):**

Result : Animal testing did not show any carcinogenic effects.

**Cyfluthrin (ISO):**

Result : Animal testing did not show any carcinogenic effects.

**Reproductive toxicity**

**Components:**

**Cyfluthrin (ISO):**

**Cyfluthrin (ISO):**

**Repeated dose toxicity**

**Components:**

**Dipropylene glycol methyl ether:**

Target Organs : Liver, Kidney  
Symptoms : Dizziness, Drowsiness, Tiredness

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Target Organs : Liver, Kidney  
Symptoms : Dizziness, Drowsiness, Tiredness



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### Further information

#### Components:

##### **Cyfluthrin (ISO):**

Pharmaceutic effects  
Remarks : Insecticide

##### **Cyfluthrin (ISO):**

Pharmaceutic effects  
Remarks : Insecticide

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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

##### **Dipropylene glycol methyl ether:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 10.000 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,919 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Selenastrum Capricornutum (Green algae)): > 969 mg/l  
Exposure time: 96 h  
Test Type: Growth inhibition

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Exposure time: 72 h

Toxicity to microorganisms : EC50 (Activated sludge micro-organism): > 10.000 mg/l  
Method: OECD 209

**Persistence and degradability****Components:****Cyfluthrin (ISO):**

Biodegradability : Result: rapidly biodegradable

**Dipropylene glycol methyl ether:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 75 %  
Exposure time: 28 d  
Method: OECD 301F

Result: Readily biodegradable.  
Biodegradation: 93 %  
Exposure time: 13 d  
Method: OECD 302B

ThOD : 0,00206 mg/g

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**Dipropylene glycol methyl ether:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 75 %  
Exposure time: 28 d  
Method: OECD 301F

Result: Readily biodegradable.  
Biodegradation: 93 %  
Exposure time: 13 d  
Method: OECD 302B

ThOD : 0,00206 mg/g

**Cyfluthrin (ISO):**

Biodegradability : Result: rapidly biodegradable

**Bioaccumulative potential****Components:****Cyfluthrin (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 506

Partition coefficient: n-octanol/water : log Pow: 5,9 - 6,18 (22 °C)

**Dipropylene glycol methyl ether:**

Partition coefficient: n-octanol/water : log Pow: -0,35

**Dipropylene glycol methyl ether:**

Partition coefficient: n-octanol/water : log Pow: -0,35

**Cyfluthrin (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 506

Partition coefficient: n-octanol/water : log Pow: 5,9 - 6,18 (22 °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 : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

However, under MOE, 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.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYFLUTHRIN)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 Environmentally hazardous : yes

##### IMDG-Code

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYFLUTHRIN)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 EmS Code : F-A, S-F  
 Marine pollutant : yes

#### 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

UN/ID/NA number : NA 1993  
 Proper shipping name : COMBUSTIBLE LIQUID, N.O.S.  
 Class : CBL  
 Packing group : III  
 Labels : None  
 Marine pollutant : no

##### TDG

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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Class : 9  
Packing group : III  
Labels : 9  
Marine pollutant : yes

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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## SECTION 15. REGULATORY INFORMATION

### International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable  
Rotterdam Convention (Prior Informed Consent) : Not applicable  
Stockholm Convention (Persistent Organic Pollutants) : Not applicable

### Canadian lists

No substances are subject to a Significant New Activity Notification.

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)  
CA BC OEL : Canada. British Columbia OEL  
CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
CA AB OEL / TWA : 8-hour Occupational exposure limit  
CA AB OEL / STEL : 15-minute occupational exposure limit  
CA BC OEL / TWA : 8-hour time weighted average  
CA BC OEL / STEL : short-term exposure limit  
CA QC OEL / TWA EV : Time-weighted average exposure value  
CA QC OEL / STEV : Short-term exposure value

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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

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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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