# **Annihilator™ PolyZone®**



Version Revision Date: SDS Number: Date of last issue: -

1.0 06/23/2020 122000009766 Date of first issue: 23.06.2020

## **SECTION 1. IDENTIFICATION**

**Product information** 

Product Name : Annihilator™ PolyZone®

Synonyms : Cislin®

SDS Number : 122000009766

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)

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2

**GHS** label elements

Hazard pictograms



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves.

Response:

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

P332 + P313 If skin irritation occurs: Get medical advice/ atten-

tion.

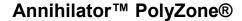
P362 + P364 Take off contaminated clothing and wash it before

reuse.

Other hazards

None known.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**





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Substance / Mixture Mixture

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Deltamethrin	52918-63-5	4,75
PPG-26 Buteth 26	9038-95-3	2,85

#### **SECTION 4. FIRST AID MEASURES**

General advice No hazards which require special first aid measures.

If inhaled Remove person to fresh air. If signs/symptoms continue, get

medical attention.

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.

Protection of first-aiders No special precautions are necessary for first aid responders.

Notes to physician No information available.

## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Unsuitable extinguishing

media

High volume water jet

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.

for firefighters

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

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec- : Avoid formation of aerosol. tive equipment and emer-

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gency procedures

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 mechani-

cally and fill into labeled, closable containers.

### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

No special protective measures against fire required.

Advice on safe handling : Avoid formation of aerosol.

Conditions for safe storage : Store at temperatures and conditions as indicated on the

product label.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

				1
Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Propane-1,2-diol	57-55-6	TWA (Va-	50 ppm	CA ON OEL
		pour and	155 mg/m³	
		aerosols)		
		TWA (Va-	50 ppm	CA ON OEL
		pour and	155 mg/m <sup>3</sup>	
		aerosols)		
		TWA (aero-	10 mg/m <sup>3</sup>	CA ON OEL
		sol)		
		TWA (aero-	10 mg/m <sup>3</sup>	CA ON OEL
		sol)	_	

## 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.

Skin and body protection : Long sleeved clothing

Protective measures : No special safety precautions are required during handling of

pharmaceuticals in their intended finished form (tablets or

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liquid formulations) by chemists, the hospital's medical staff

or patients.

Please consult label for end-user requirements.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : Light, tan to brown

Odour : sweet, characteristic

Odour Threshold : No data available

pH : 4 - 5,5

Melting point / range : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Burning rate : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 1,05 g/cm<sup>3</sup>

Bulk density : No data available

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

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Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data 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

Possibility of hazardous reac- :

tions

No data available

Conditions to avoid : Protect from frost.

Incompatible materials : Oxidizing agents

Hazardous decomposition

products

Carbon monoxide (CO)
Carbon dioxide (CO2)

### **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

**Product:** 

Acute oral toxicity : LD50 (Rat, female): > 5.000 mg/kg

Assessment: No adverse effect has been observed in acute

toxicity tests.

Acute inhalation toxicity : LC50 (Rat): > 2,08 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist/aerosol

Assessment: No adverse effect has been observed in acute

toxicity tests.

Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum

achievable concentration.

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

Assessment: No adverse effect has been observed in acute

toxicity tests.

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Components:

Deltamethrin:

Acute oral toxicity : LD50 (Rat): 87 mg/kg

Assessment: The component/mixture is toxic after single in-

gestion.

Acute inhalation toxicity : LC50 (Rat): 0,9 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist/aerosol

Method: Calculation method

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

Assessment: No adverse effect has been observed in acute

toxicity tests.

Skin corrosion/irritation

**Product:** 

Species : Rabbit Result : Skin irritation

**Components:** 

Deltamethrin:

Species : Rabbit

Result : No skin irritation

PPG-26 Buteth 26:

Species : Rabbit

Result : Mild skin irritation

Serious eye damage/eye irritation

**Components:** 

Deltamethrin:

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

**Components:** 

Deltamethrin:

Species : Guinea pig Method : OECD 406

Result : Did not cause sensitisation on laboratory animals.

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Germ cell mutagenicity

**Components:** 

Deltamethrin:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Result: negative

Germ cell mutagenicity -

Assessment

Did not show mutagenic or teratogenic effects in animal ex-

periments.

Carcinogenicity

**Components:** 

Deltamethrin:

Carcinogenicity - Assess-

ment

Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

**Components:** 

Deltamethrin:

Effects on fertility : Species: Rat

Result: Animal studies have produced no evidence of toxic

effects on reproduction.

Reproductive toxicity - As-

sessment

No toxicity to reproduction

**SECTION 12. ECOLOGICAL INFORMATION** 

**Ecotoxicity** 

**Product:** 

**Ecotoxicology Assessment** 

Acute aquatic toxicity : Very toxic to aquatic life.

Other organisms relevant to

the environment

Very toxic to bees.

**Components:** 

Deltamethrin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,00015 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0,000013 mg/l

Exposure time: 48 h

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EC50 (Daphnia magna (Water flea)): 0,00056 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

EC50: > 9,1 mg/l

Exposure time: 96 h

PPG-26 Buteth 26:

**Ecotoxicology Assessment** 

Acute aquatic toxicity : slightly hazardous to water

Persistence and degradability

**Components:** 

Deltamethrin:

Biodegradability : Result: Not readily biodegradable.

**Bioaccumulative potential** 

**Components:** 

Deltamethrin:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)

Bioconcentration factor (BCF): 817

Exposure time: 4 d

Concentration: 0,00006 mg/l

Species: Lepomis macrochirus (Bluegill sunfish)

Bioconcentration factor (BCF): 1.400 Remarks: Does not bioaccumulate.

Partition coefficient: n-

octanol/water

log Pow: 6,4 (25 °C)

Mobility in soil

No data available

Other adverse effects

**Components:** 

Deltamethrin:

Results of PBT and vPvB

assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be

very persistent and very bioaccumulating (vPvB).

**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.

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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

(DELTAMETHRIN)

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.

(DELTAMETHRIN)

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**

Not regulated as a dangerous good

**TDG** 

Not regulated as a dangerous good

## Special precautions for user

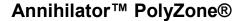
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional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

#### **SECTION 15. REGULATORY INFORMATION**

## International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable





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Stockholm Convention (Persistent Organic Pollutants) : Not applicable

### **Canadian lists**

No substances are subject to a Significant New Activity Notification.

#### **SECTION 16. OTHER INFORMATION**

### Full text of other abbreviations

CA ON OEL : Ontario Table of Occupational Exposure Limits made under

the Occupational Health and Safety Act.

CA ON OEL / TWA : Time-Weighted Average Limit (TWA)

Revision Date : 06/23/2020

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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