

SAFETY DATA SHEET



Annihilator™ PolyZone®

Version 1.0 Revision Date: 06/23/2020 SDS Number: 122000009766 Date of last issue: -
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/ attention.
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 carbon 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.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures : Avoid formation of aerosol.

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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 mechanically 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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propane-1,2-diol	57-55-6	TWA (Vapour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL
		TWA (Vapour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL
		TWA (aerosol)	10 mg/m ³	CA ON OEL
		TWA (aerosol)	10 mg/m ³	CA ON OEL

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 ³
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 reactions : 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 ingestion.

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 experiments.

Carcinogenicity**Components:****Deltamethrin:**

- Carcinogenicity - Assessment : 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 - Assessment : 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)

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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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