

SAFETY DATA SHEET



Annihilator™ PolyZone™

Version 1.0 Revision Date: 11/08/2019 SDS Number: 122000009766 Date of last issue: -
Date of first issue: 11/08/2019

SECTION 1. IDENTIFICATION

Product information

Product Name : Annihilator™ PolyZone™
Synonyms : Cislin®
SDS Number : 122000009766

Use : Pesticide

Company

Bayer Inc.
2920 Matheson Boulevard East
Mississauga, ON L4W 5R6
CANADA
(800) 622-2937

In case of emergency: Chemtrec: (800) 424-9300
CANUTEC: (613) 996-6666

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 procedures : Avoid formation of aerosol.

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.

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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 (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 : Wear suitable protective equipment.
Please consult label for end-user requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : Light, tan to brown
Odour : sweet, characteristic
pH : 4 - 5.5

Density : 1.05 g/cm³

Auto-ignition temperature : No data available

Decomposition temperature : 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- : No data available



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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.

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:

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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.

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



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essment

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

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.

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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. 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

US Land transport (CFR)

Non-regulated

Sea transport (IMDG)

UN Number 3082
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)
Class 9
Packaging group III
IMDG-Labels 9
EmS Number F-A
Marine pollutant yes

Air transport (IATA)

UN Number 3082
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)
Class 9
Packaging group III
Dangerous goods labels 9
Environmentally hazardous yes

Land transport TDG

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Non-regulated

Other information : Irritating to skin and eyes Keep separated from foodstuffs

SECTION 15. REGULATORY INFORMATION

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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