

**SAFETY DATA SHEET**
Annihilator Polyzone

122000009766

Version 2.0

Revision Date 01/12/2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Product Name: Annihilator Polyzone
Synonyms: SUSPEND® POLYZON
Cislin®
SDS Number: 122000009766

Use : Pesticide**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**Emergency Overview**

Colour: Light, tan to brown Form: liquid Odour: sweet, characteristic.

GHS Classification:

Not a dangerous substance / mixture according to GHS.

GHS Label element:

Not a dangerous substance / mixture according to GHS.

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
6.5%	Propane-1,2-diol	57-55-6

Other Ingredients	Components	CAS-No.
Weight percent		
4.75%	Deltamethrin	52918-63-5

4. 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.

Contact Number: Use the Bayer Emergency Number in Section 1

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 firefighting: Fire may cause the release of: Carbon monoxide (CO)
Carbon dioxide (CO₂)

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

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.

Additional advice: No special precautions required.

Further Accidental Release Notes No special precautions required.

7. HANDLING AND STORAGE

Handling:

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

No special protective measures against fire required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Recommended Filter type: Organic vapor with prefilter

None required for consumer use of this product.

Hand protection:

Chemically resistant gloves.

None required for consumer use of this product.

Eye protection:

Safety glasses

None required for consumer use of this product.

Other protective measures:

Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	Light, tan to brown
Odour:	sweet, characteristic
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available

SAFETY DATA SHEET

Annihilator Polyzone

122000009766

Version 2.0

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Boiling point/boiling range:	No applicable information is available
Density:	1.05 g/cm ³
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	4 - 5.5
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY

Conditions to avoid: Protect from frost.

Materials to avoid: Oxidizing agents

Hazardous reactions: No data available

Thermal decomposition:

No data available

Hazardous decomposition products:

Carbon monoxide (CO), Carbon dioxide (CO₂)

Oxidizing properties:

No statements available.

Impact sensitivity:

No data available

11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET
Annihilator Polyzone

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Acute oral toxicity:

LD50 Rat , female : > 5,000 mg/kg

The substance or mixture has no acute oral toxicity

Acute inhalation toxicity:

LC50 Rat: > 2.08 mg/l, 4 h

The substance or mixture has no acute inhalation toxicity

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

The substance or mixture has no acute dermal toxicity

Skin irritation:

Rabbit

Result: Moderate skin irritation

Eye irritation:

Rabbit

Result: Moderate eye irritation

Sensitisation:

guinea pig

Result: Does not cause skin sensitisation.

Subacute, subchronic and prolonged toxicity:

Propane-1,2-diol

NOEL 50,000 mg/kg, Rat Oral, Exposure time 24 month

NOEL 1 mg/l, Rat Inhalation, Exposure time 3 month

Number of exposures: Once daily

Genotoxicity in vitro:

Deltamethrin

Result: negative

Propane-1,2-diol

Ames test Bacteria

Dose: yes

Result: negative

Method: OECD 471

Mammalian cells

Result: negative

Method: OECD 476

Genotoxicity in vivo:

Deltamethrin

Result: negative

Propane-1,2-diol

Result: negative
Method: OECD 478

Carcinogenicity:

Propane-1,2-diol
Rat:
Exposure time: 2 a
Number of exposures: Once daily
Result: negative

Reproductive toxicity:

Deltamethrin
Rat: Result: Animal studies have produced no evidence of toxic effects on reproduction.

Propane-1,2-diol

Application Route: Oral
Rat, female: Test period: 18 d
NOAEL: 1600 mg/kg
Result: Animal testing did not show any effects on fertility.

Teratogenicity:

Deltamethrin
Result: Animal studies have produced no evidence of harmful effects on development.

Propane-1,2-diol

Rat, male: Number of exposures: Once daily
Test period: 15 d
NOAEL: 1600 mg/l
Result: No indication of teratogenic effects.

CMR Assessment:

Deltamethrin
Carcinogenicity: Did not show carcinogenic effects in animal experiments.
Mutagenicity: Did not show mutagenic or teratogenic effects in animal experiments.
Reproductive toxicity: No toxicity to reproduction

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

STOT - single exposure:

No data available

STOT - repeated exposure:

No data available

12. ECOLOGICAL INFORMATION

General advice:

Do not allow to enter surface waters or groundwater.

SAFETY DATA SHEET
Annihilator Polyzone

122000009766

Version 2.0

Revision Date 01/12/2016

Toxicity to fish:

Deltamethrin

LC50 0.00015 mg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Propane-1,2-diol

Acute Fish toxicity: LC50 40,613 mg/l

Test species: Pimephales promelas (fathead minnow) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:

Deltamethrin

EC50 0.000013 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

EC50 0.00056 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Propane-1,2-diol

LC50 18,340 mg/l

Test species: Ceriodaphnia dubia (water flea) Duration of test: 48 h

Toxicity to algae:

Deltamethrin

EC50 > 9.1 mg/l

Duration of test: 96 h

Propane-1,2-diol

IC50 19,100 mg/l

tested on: Pseudokirchneriella subcapitata (green algae)

Toxicity to bacteria:

Propane-1,2-diol

NOEC 20,000 mg/l

tested on: Pseudomonas putida

Duration of test: 18 h

Biodegradability:

Deltamethrin

Not rapidly biodegradable

Propane-1,2-diol

87 - 92 %, 28 d rapidly biodegradable

Method: OECD 301 C

Bioaccumulation:

Deltamethrin

0.00006 mg/l/Oncorhynchus mykiss (rainbow trout)4 d

Bioconcentration factor (BCF)

817

SAFETY DATA SHEET

Annihilator Polyzone

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Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF) 1,400
Does not bioaccumulate.

Propane-1,2-diol

Bioconcentration factor (BCF)
0.09

13. DISPOSAL CONSIDERATIONS

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)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)
non-regulated

US Sea transport (IMDG)
non-regulated

US Air transport (ICAO / IATA cargo aircraft only)
non-regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)
non-regulated

International 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

International IMDG

UN Number	3082
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)

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Class	9
Packaging group	III
IMDG-Labels	9
EmS Number	F-A
Marine pollutant	yes

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components

None

US. EPA CERCLA Hazardous Substances (40 CFR 302)Components

None

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
5 - 10%	Propane-1,2-diol	57-55-6

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Not subject to OSHA

16. OTHER INFORMATION

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.

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