

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

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HSNO Approval Number : HSR001948

ACVM number : A005740

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Veterinary medicine

1.3 Details of the supplier of the safety data sheet

Company

Bayer New Zealand Limited
3 Argus Place
0627 HILLCREST, AUCKLAND, NEW ZEALAND
NEW ZEALAND
Tel.: 0800 652 488
Fax: 0800 229 838
Mail: bhc-md-oeko@bayer.com

1.4 Emergency telephone number

In case of emergency: 0800 734 607 IXOM SH&E Shared services (24hr)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

6.1: Acute toxicity (Oral) : Category D

6.1: Acute toxicity (Dermal) : Category D

6.3: Skin irritation : Category B

6.4: Eye irritation : Category A

6.9: Specific Target Organ Toxicity : Category A

9.1: Aquatic toxicity (Acute or Chronic) : Category A

9.1: Aquatic toxicity (Acute or Chronic) : Category B

9.1: Aquatic toxicity (Acute or Chronic) : Category C

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
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9.3: Ecotoxic to terrestrial vertebrates : Category C

9.4: Ecotoxic to terrestrial invertebrates : Category B

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H372 Causes damage to the nervous system through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
H433 Harmful to terrestrial vertebrates.
H442 Toxic to terrestrial invertebrates.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
2-(2-butoxyethoxy)ethanol	112-34-5	>= 70 -< 90
Propetamphos	31218-83-4	>= 10 -< 20

SECTION 4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.
You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24hr emergency)

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

- service).
- 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.
- Most important symptoms and effects, both acute and delayed : No information available.
No information available.
- 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)
- Specific extinguishing methods : 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 : Use personal protective equipment.
Use with adequate ventilation.
No special precautions required.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Suppress (knock down) gases/vapours/mists with a water spray jet.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Place in closed containers. Label for proper disposal.

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special protective measures against fire required.
- Advice on safe handling : Industrial uses:
Avoid formation of aerosol.
Use with local exhaust ventilation.
Avoid contact with skin, eyes and clothing.
- Hygiene measures : Cleanliness Guidelines (GMP) for manufacturing of drugs must be observed!
- 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-(2-butoxyethoxy)ethanol	112-34-5	TLV-C	100 mg/m ³	
		TWA (Inhalable fraction and vapor)	10 ppm	ACGIH

Personal protective equipment

- Respiratory protection : Recommended respiratory protection: full mask with filter ABEK-ST (ABEK-P3)
- Hand protection
Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC wear
- Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.
- Eye protection : Safety glasses
- Protective measures : No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.
For the intake of ready for use pharmaceuticals or the external use on the skin please read the label and the package leaflet. The personal protective equipment is applicable for the handling of bulk material without packaging and for incidents if an exposure by the active ingredient or hazardous components can be expected.
Wear suitable protective equipment.

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : light brown
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

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
Hazardous decomposition products : Carbon monoxide (CO)
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 511,01 mg/kg
Method: Calculation method
Acute inhalation toxicity : Acute toxicity estimate (ATE): 30 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method
Acute dermal toxicity : Acute toxicity estimate (ATE): 2.048 mg/kg
Method: Calculation method

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

Components:

2-(2-butoxyethoxy)ethanol:

Acute oral toxicity : LD50 (Rat, male): 6.560 mg/kg
Method: Tested according to Annex V of Directive 67/548/EEC.
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rabbit, male): 2.764 mg/kg
Method: OECD 402
Assessment: No adverse effect has been observed in acute toxicity tests.

Propetamphos:

Acute oral toxicity : LD50 (Rat): 62 mg/kg
Assessment: The component/mixture is toxic after single ingestion.

Acute dermal toxicity : LD50 (Rat): 564 mg/kg
Assessment: The component/mixture is toxic after single contact with skin.

Skin corrosion/irritation

Components:

2-(2-butoxyethoxy)ethanol:

Species: Rabbit
Exposure time: 1 h
Method: OECD 404
Result: Mild skin irritation
GLP: no

Serious eye damage/eye irritation

Components:

2-(2-butoxyethoxy)ethanol:

Species: Rabbit
Result: Irritating to eyes.
Exposure time: 72 h
Method: OECD 405
GLP: no

Respiratory or skin sensitisation

Components:

2-(2-butoxyethoxy)ethanol:

Test Type: Skin sensitisation
Species: Guinea pig
Method: OECD 406
Result: Did not cause sensitisation on laboratory animals.

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

Chronic toxicity

Germ cell mutagenicity

Components:

2-(2-butoxyethoxy)ethanol:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Cell type: Bone marrow
Application Route: Oral
Exposure time: Single dose
Method: OECD 475
Result: negative

Reproductive toxicity

Components:

2-(2-butoxyethoxy)ethanol:

Effects on fertility : Test Type: Two-generation study
Species: Rat
Application Route: Oral
General Toxicity - Parent: NOAEL: 1.000 mg/kg
General Toxicity F1: NOAEL: 500 mg/kg
Method: OECD 415
Result: No toxicity to reproduction

Repeated dose toxicity

Components:

2-(2-butoxyethoxy)ethanol:

Species: Rat, male and female
NOAEL: 250 mg/kg
Application Route: Oral
Exposure time: 90-day
Number of exposures: Once daily
Method: OECD 408
GLP: yes

Species: Rat, male and female
NOAEL: 94 mg/m³
Application Route: inhalation (vapour)
Exposure time: 90-day
Number of exposures: 6 hours a day, 5 days per week
Method: OECD 413
GLP: yes

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

2-(2-butoxyethoxy)ethanol:

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.300 mg/l
Exposure time: 96 h
Test Type: Static test
Method: OECD 203
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : NOEC (Daphnia magna (Water flea)): >= 100 mg/l
Exposure time: 48 h
Test Type: Immobilization
Analytical monitoring: no
Method: OECD 202
GLP: yes
- Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): >= 100 mg/l
Exposure time: 96 h
Test Type: Growth rate
Analytical monitoring: no
Method: OECD 201
GLP: yes
- Toxicity to microorganisms : EC10 (activated sludge micro-organism): > 1.995 mg/l
Exposure time: 0,5 h
Test Type: Respiration inhibition
Analytical monitoring: yes
Method: OECD 209
GLP: no
- Toxic limit concentration (Pseudomonas putida): 255 mg/l
Exposure time: 16 h
Test Type: Cell multiplication inhibition test
Method: DIN 38412 Part 8
GLP:

Ecotoxicology Assessment

Acute aquatic toxicity : slightly water endangering

Propetamphos:

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): 0,0145 mg/l
Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Components:

2-(2-butoxyethoxy)ethanol:

Biodegradability : aerobic
Concentration: 100 mg/l
Biochemical oxygen demand
Result: rapidly biodegradable
Biodegradation: > 80 %
Exposure time: 28 d
Method: OECD 301 C
GLP: no

aerobic
Concentration: 400 mg/l
Chemical oxygen demand
Biodegradation: 99 %
Exposure time: 8 d
Method: OECD 302B
GLP: no
Remarks: Inherently degradable

Bioaccumulative potential

Components:

2-(2-butoxyethoxy)ethanol:

Partition coefficient: n-octanol/water : log Pow: 1 (20 °C)
pH: 7
Method: OECD 117
GLP: yes

Propetamphos:

Partition coefficient: n-octanol/water : log Pow: 3,82

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

Components:

2-(2-butoxyethoxy)ethanol:

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).

SAFETY DATA SHEET

Destruct



Version 1.0 Revision Date: 13.03.2019 SDS Number: 122000017795 Date of last issue: -
Date of first issue: 13.03.2019

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.
-

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

- UN/ID No. : UN 3082
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propetamphos)
- Class : 9
- Packing group : III
- Labels : 9
- Packing instruction (cargo aircraft) : 964
- Packing instruction (passenger aircraft) : 964
- Environmentally hazardous : yes

IMDG-Code

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

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR001948

SAFETY DATA SHEET

Destruct



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.03.2019	122000017795	Date of first issue: 13.03.2019

HSNO Controls

Approved handler certificate not required.
HSNO tracking not required.
Refer to EPA user guide to the HSNO control regulations for further information.

The components of this product are reported in the following inventories:

NZIoC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Date format : dd.mm.yyyy

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

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

SAFETY DATA SHEET

Destruct



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.03.2019	122000017795	Date of first issue: 13.03.2019

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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