

# SAFETY DATA SHEET



## BomaZeal Cat-Pep

Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
Date of first issue: 24.06.2020

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### Section 1: Identification

#### 1.1 Product identifier

BomaZeal Cat-Pep

ACVM number : A008195

#### 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

Elanco New Zealand  
88 Shortland Street  
1010 AUCKLAND  
NEW ZEALAND  
+64 0800 352 626  
elanco\_sds@elanco.com

#### 1.4 Emergency telephone number

**In case of emergency:** CHEMTREC International: +1 703-527-3887 (24 hours)  
or +64-98010034 (local)

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### Section 2: Hazard identification

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards which do not result in classification

None known.

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### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Thiamine hydrochloride	67-03-8	>= 10 -< 20

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### Section 4: First-aid measures

General advice : Take off all contaminated clothing immediately.

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# SAFETY DATA SHEET

## BomaZeal Cat-Pep



Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
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---

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 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.
- Notes to physician : No information available.

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### Section 5: Fire-fighting 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 (CO<sub>2</sub>)
- 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.

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### Section 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
No special precautions required.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- 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-

# SAFETY DATA SHEET

## BomaZeal Cat-Pep



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.06.2020	122000017924	Date of first issue: 24.06.2020

---

cally and fill into labeled, closable containers.

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### Section 7: Handling and storage

- Advice on protection against fire and explosion : No special protective measures against fire required.
- Advice on safe handling : No special precautions required.
- 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.
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### Section 8: Exposure controls/personal protection

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### 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.  
Wear suitable protective equipment.  
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.
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### Section 9: Physical and chemical properties

- Appearance : tablet
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# SAFETY DATA SHEET

## BomaZeal Cat-Pep



Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
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---

Colour : brownish

Odour : No data available

Odour Threshold : No data available

pH : No data available

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

Density : No data available

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

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 statements available.

# SAFETY DATA SHEET



## BomaZeal Cat-Pep

Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
Date of first issue: 24.06.2020

---

Oxidizing properties : No data available  
Impact sensitivity : No data available  
Minimum ignition energy : No data available

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### 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 (CO<sub>2</sub>)

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### Section 11: Toxicological information

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate (ATE): > 5.000 mg/kg  
Method: Calculation method

##### Components:

##### **Thiamine hydrochloride:**

Acute oral toxicity : LD50 (Rat): 3.710 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

TDL<sub>0</sub> (Rat): 2.100 mg/kg  
Target Organs: Liver  
Symptoms: Liver disorders

Acute toxicity (other routes of administration) : LD50 (Rat): 481 mg/kg  
Application Route: Intraperitoneal

LD50 (Rat): 560 mg/kg  
Application Route: Subcutaneous

LD50 (Rat): 118 mg/kg  
Application Route: intravenous

# SAFETY DATA SHEET

BomaZeal Cat-Pep



Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
Date of first issue: 24.06.2020

---

## Skin corrosion/irritation

### Components:

#### Thiamine hydrochloride:

Remarks : May cause skin irritation in susceptible persons.

## Serious eye damage/eye irritation

### Components:

#### Thiamine hydrochloride:

Result : irritating

## Respiratory or skin sensitisation

### Components:

#### Thiamine hydrochloride:

Remarks : May cause sensitisation of susceptible persons.

## Chronic toxicity

## Germ cell mutagenicity

### Components:

#### Thiamine hydrochloride:

Genotoxicity in vitro : Result: No indication of mutagenic effects.

## Further information

### Components:

#### Thiamine hydrochloride:

Pharmaceutic effects

Remarks : vitamin

Remarks : After absorption of large quantities  
Headache  
Ataxia (uncontrolled movements)

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## Section 12: Ecological information

### Ecotoxicity

#### Components:

#### Thiamine hydrochloride:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity  
Method: OECD 203

# SAFETY DATA SHEET



## BomaZeal Cat-Pep

Version 1.0      Revision Date: 24.06.2020      SDS Number: 122000017924      Date of last issue: -  
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---

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD 202

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD 201

### Ecotoxicology Assessment

Acute aquatic toxicity : slightly hazardous to water

### Persistence and degradability

#### Components:

#### Thiamine hydrochloride:

Biodegradability : Result: rapidly biodegradable  
Biodegradation: 74 %  
Exposure time: 7 d  
Method: OECD 302B

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

#### Product:

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

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## 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.

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## Section 14: Transport information

### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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# SAFETY DATA SHEET



## BomaZeal Cat-Pep

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.06.2020	122000017924	Date of first issue: 24.06.2020

Not applicable for product as supplied.

### Section 15: Regulatory information

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

##### HSNO Approval Number

Not applicable

##### HSW Controls

Certified handler certificate not required.

HSW tracking not required.

Refer to WORKSAFE user guide to the HSW regulations for further information.

Montreal Protocol (Ozone Depleting Substances) : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

#### 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

Date format : dd.mm.yyyy

#### 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; 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, Bioaccumu-



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Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.06.2020	122000017924	Date of first issue: 24.06.2020

---

lative 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

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