

# SAFETY DATA SHEET

Capstar Tablets for Cats and Small Dogs

# **Section 1. Identification**

Product identifier : Capstar Tablets for Cats and Small Dogs

**Product code** : 12400000172

Other means of : A-9809 B1; CA4920; CAPACTION 11.4 MG - PETIQ; CAPSTAR 11; Capstar 11.4 identification mg tablets; Capstar Dog 11.4 mg; CAPSTAR TABLETS FOR CATS AND SMALL

DOGS; Capstar Vet; CGA246916; Flea Caps 11.4

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

Identified uses: Veterinary product.Uses advised against: None known.

Company Name : Elanco Australasia Pty Ltd

106 Wiri Station Road,

Manukau, Auckland 2104, New Zealand

**Telephone number** : +64 0800 352 626

0800 446 121 (Adverse Events Local Number)

Emergency telephone

number

: CHEMTREC International: 00 1 703-527-3887 (24 hours)

CHEMTREC: +64 9-801 0034 (Local) CHEMTREC: 0800 425 459 (Freephone)

Email : elanco sds@elancoah.com

# Section 2. Hazards identification

HSNO Approval Number : Not available.HSNO Group Standard : Not available.HSNO Classification : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 5%

This material is not classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2020 Transport of Dangerous Goods on Land.

### **GHS label elements**

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements** 

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Other hazards which do not : None known.

result in classification

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20221/9

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% (w/w)	CAS number
Cellulose	≥30 - ≤60	9004-34-6
1,1-Ethenediamine, N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-	≥10 - ≤15	120738-89-8
silicon dioxide	≤3	7631-86-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

#### **Description of necessary first aid measures**

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms occur.

**Ingestion**: Wash out mouth with water. If material has been swallowed and the exposed

person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms

occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

## Most important symptoms/effects, acute and delayed

## Potential acute health effects

Inhalation : No known significant effects or critical hazards.
 Ingestion : No known significant effects or critical hazards.
 Skin contact : No known significant effects or critical hazards.
 Eye contact : No known significant effects or critical hazards.

# Over-exposure signs/symptoms

Inhalation: No specific data.Ingestion: No specific data.Skin: No specific data.Eyes: No specific data.

## Indication of immediate medical attention and special treatment needed, if necessary

**Specific treatments**: No specific treatment.

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

# Section 5. Firefighting measures

## **Extinguishing media**

**Suitable**: Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20222/9

# Section 5. Firefighting measures

**Hazchem code** 

Special precautions for firefighters

Not available.

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective** equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and material for containment and cleaning up

**Small spill** 

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### **Protective measures**

**Protective measures** 

Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store between the following temperatures: 2 to 25°C (35.6 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

## **Control parameters**

**Occupational exposure limits** 

Product name: **NZ: ENGLISH** Capstar Tablets for Cats and Small Dogs Version: 0.03 Date of revision: 23 November 2023 Date of previous issue: 9 November 2022 3/9

# Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Cellulose	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2020).  WES-TWA: 10 mg/m³ 8 hours.  EH40/2005 WELs (United Kingdom (UK), 1/2020).  TWA: 4 mg/m³ 8 hours. Form: respirable dust STEL: 20 mg/m³ 15 minutes. Form: inhalable dust TWA: 10 mg/m³ 8 hours. Form: inhalable dust Safe Work Australia (Australia, 12/2019).  TWA: 10 mg/m³ 8 hours. Form: fibres
silicon dioxide	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2020). [Silica-Amorphous: Silica gel] WES-TWA: 10 mg/m³ 8 hours. EH40/2005 WELs (United Kingdom (UK), 1/2020). [silica, amorphous] TWA: 2.4 mg/m³ 8 hours. Form: respirable dust TWA: 6 mg/m³ 8 hours. Form: inhalable dust Safe Work Australia (Australia, 12/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable dust and fumes

#### **Biological exposure indices**

No exposure indices known.

# Appropriate engineering controls

**Environmental exposure** 

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **Individual protection measures**

**Hygiene measures** 

controls

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

## **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

# Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20224/9

# Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

point, and boiling range

limit/flammability limit

Physical state : Solid. [tablets]
Colour : White to yellowish.

Odour : Odourless.

Odour threshold : Not available.

pH : Not available.

Melting point/freezing point : Not available.

Boiling point, initial boiling : Not available.

Flash point : Not applicable.
Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Not applicable.

Vapour pressure : Not available.

Relative vapour density : Not applicable.

Relative density : Not available.

Solubility(ies) : Not available.

Solubility in water : Not available.

Miscible with water : Yes.

Partition coefficient: n- : Not applicable.

octanol/water

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

Viscosity : Not applicable.

Flow time (ISO 2431) : Not available.

**Particle characteristics** 

Median particle size : Not available.

# Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

**Incompatible materials**: No specific data.

Hazardous decomposition products

 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20225/9

## Information on likely routes of exposure

Inhalation: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Eye contact: No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.Ingestion: No specific data.Skin contact: No specific data.Eye contact: No specific data.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Cellulose	LD50 Oral	Rat	>5 g/kg	-
1,1-Ethenediamine, N-[	LC50 Inhalation Vapour	Rat	>5.8 mg/l	4 hours
(6-chloro-3-pyridinyl)methyl]- N-ethyl-N'-methyl-2-nitro-				
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1600 mg/kg (OECD Test Guideline 401)	-
silicon dioxide	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat Rabbit Rat	>58.8 mg/l >5000 mg/kg >5000 mg/kg	4 hours - -

# **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
silicon dioxide	Eyes - Mild irritant	Rabbit	-	24 hours 25	-
				mg	

# **Sensitisation**

Not available.

# Potential chronic health effects

**General** : No known significant effects or critical hazards. : No known significant effects or critical hazards. Inhalation Ingestion : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Eye contact** Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Teratogenicity Developmental effects** : No known significant effects or critical hazards. **Fertility effects** : No known significant effects or critical hazards.

**Chronic toxicity** 

Not available.

# **Carcinogenicity**

Not available.

#### Mutagenicity

Not available.

## **Teratogenicity**

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20226/9

Not available.

Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

## **Numerical measures of toxicity**

## **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
CAPSTAR 11 1,1-Ethenediamine, N-[(6-chloro-3-pyridinyl)methyl]-	14175.4 1600	N/A N/A	N/A N/A	26.6 3	N/A N/A
N-ethyl-N'-methyl-2-nitro-	1000	IN/A	IN/A	3	IN/A

# **Section 12. Ecological information**

**Ecotoxicity** 

: No known significant effects or critical hazards.

# **Aquatic and terrestrial toxicity**

Product/ingredient name	Result	Species	Exposure
1,1-Ethenediamine, N-[ (6-chloro-3-pyridinyl)methyl]- N-ethyl-N'-methyl-2-nitro-	Acute EC50 >100 mg/l (OECD Test Guideline 202)	Daphnia	48 hours
	Acute LC50 >100 mg/l (OECD Test Guideline 203)	Fish	96 hours
silicon dioxide	Acute EC50 2.2 g/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Chronic NOEC 12.5 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days

## Persistence/degradability

**Bioaccumulative potential** 

Not available.

**Mobility in soil** 

Soil/water partition coefficient (Koc)
Other adverse effects

: Not available.

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

# **Disposal methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20227/9

# Section 13. Disposal considerations

soil, waterways, drains and sewers.

# **Section 14. Transport information**

	New Zealand - Land - road/ railway	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according

to IMO instruments

: Not available.

# **Section 15. Regulatory information**

HSNO Approval Number : Not available.
 HSNO Group Standard : Not available.
 HSNO Classification : Not classified.
 ACVM No. : A007452

**Inventory list** 

New Zealand : Not determined.

# Section 16. Other information

**History** 

Date of issue/Date of : 11/23/2023

revision

Date of previous issue : 11/9/2022 Version : 0.03

**Key to abbreviations** : ADG = Australian Dangerous Goods

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

RID = The Regulations concerning the International Carriage of Dangerous Goods

by Rail

SGG = Segregation Group UN = United Nations

Product name :Capstar Tablets for Cats and Small DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20228/9

# **Section 16. Other information**

References : No

▼ Indicates information that has changed from previously issued version.

#### **Notice to reader**

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact: Elanco Animal Health 0011+1-877-352-6261 0011+1-800-428-4441

Product name:Capstar Tablets for Cats and Small DogsNZ: ENGLISHVersion: 0.03Date of revision: 23 November 2023Date of previous issue: 9 November 20229/9



# SAFETY DATA SHEET

Capstar Tablets for Large Dogs

# **Section 1. Identification**

Product identifier : Capstar Tablets for Large Dogs

**Product code** : 12400000173

Other means of : A-9810 B1; CA4925; CAPACTION 57 MG - PETIQ; Capstar 57 mg tablets;

identification CAPSTAR TABLETS FOR LARGE DOGS; Capstar Vet; CGA246916; FLEA CAPS

57

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

Identified uses: Veterinary product.Uses advised against: None known.

Company Name : Elanco Australasia Pty Ltd

106 Wiri Station Road,

Manukau, Auckland 2104, New Zealand

**Telephone number** : +64 0800 352 626

0800 446 121 (Adverse Events Local Number)

Emergency telephone

e : CHEMTREC International: 00 1 703-527-3887 (24 hours)

number

CHEMTREC: +64 9-801 0034 (Local) CHEMTREC: 0800 425 459 (Freephone)

Email : elanco\_sds@elancoah.com

# Section 2. Hazards identification

HSNO Approval Number: Not available.HSNO Group Standard: Not available.HSNO Classification: Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 5%

This material is not classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2020 Transport of Dangerous Goods on Land.

#### **GHS label elements**

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements** 

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Other hazards which do not : None known.

result in classification

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20221/9

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% (w/w)	CAS number
Cellulose	≥30 - ≤60	9004-34-6
1,1-Ethenediamine, N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-	≥10 - ≤15	120738-89-8
silicon dioxide	≤3	7631-86-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

# **Description of necessary first aid measures**

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms occur.

**Ingestion**: Wash out mouth with water. If material has been swallowed and the exposed

person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms

occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

## Most important symptoms/effects, acute and delayed

## Potential acute health effects

Inhalation: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Eye contact: No known significant effects or critical hazards.

# Over-exposure signs/symptoms

Inhalation: No specific data.Ingestion: No specific data.Skin: No specific data.Eyes: No specific data.

## Indication of immediate medical attention and special treatment needed, if necessary

**Specific treatments**: No specific treatment.

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

# Section 5. Firefighting measures

## **Extinguishing media**

**Suitable**: Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide

carbon dioxide carbon monoxide metal oxide/oxides

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20222/9

# Section 5. Firefighting measures

**Hazchem code** 

Special precautions for firefighters

Not available.

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective** equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and material for containment and cleaning up

**Small spill** 

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### **Protective measures**

**Protective measures** 

Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store between the following temperatures: 2 to 25°C (35.6 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

## **Control parameters**

**Occupational exposure limits** 

Product name: **NZ: ENGLISH** Capstar Tablets for Large Dogs Version: 0.03 Date of revision: 23 November 2023 Date of previous issue: 9 November 2022 3/9

# Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Cellulose	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2020). WES-TWA: 10 mg/m³ 8 hours.  EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 4 mg/m³ 8 hours. Form: respirable dust STEL: 20 mg/m³ 15 minutes. Form: inhalable dust TWA: 10 mg/m³ 8 hours. Form: inhalable dust Safe Work Australia (Australia, 12/2019). TWA: 10 mg/m³ 8 hours. Form: fibres
silicon dioxide	HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2020). [Silica-Amorphous: Silica gel] WES-TWA: 10 mg/m³ 8 hours. EH40/2005 WELs (United Kingdom (UK), 1/2020). [silica, amorphous] TWA: 2.4 mg/m³ 8 hours. Form: respirable dust TWA: 6 mg/m³ 8 hours. Form: inhalable dust Safe Work Australia (Australia, 12/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable dust and fumes

#### **Biological exposure indices**

No exposure indices known.

# Appropriate engineering controls

Environmental exposure

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **Individual protection measures**

**Hygiene measures** 

controls

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

## **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

# Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20224/9

# Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

Physical state : Solid. [tablets]

Colour : White to yellowish.

Odour : Odourless.

Odour threshold : Not available.

PH : Not available.

Melting point/freezing point : Not available.

Boiling point, initial boiling : Not available.

point, and boiling range

Flash point : Not applicable.
Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Not applicable.

Vapour pressure : Not available.

Relative vapour density : Not applicable.

Relative density : Not available.

Solubility(ies) : Not available.

Solubility in water : Not available.

Miscible with water : No.

Partition coefficient: nctanol/water
: Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

Viscosity : Not applicable.

Flow time (ISO 2431) : Not available.

Particle characteristics

Possibility of hazardous

limit/flammability limit

Median particle size : Not available.

# Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Chemical stability**: The product is stable.

reactions

Conditions to avoid : No specific data.

**Incompatible materials**: No specific data.

Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20225/9

## Information on likely routes of exposure

Inhalation: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Eye contact: No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.Ingestion: No specific data.Skin contact: No specific data.Eye contact: No specific data.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Cellulose	LD50 Oral	Rat	>5 g/kg	-
1,1-Ethenediamine, N-[	LC50 Inhalation Vapour	Rat	>5.8 mg/l	4 hours
(6-chloro-3-pyridinyl)methyl]-				
N-ethyl-N'-methyl-2-nitro-				
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1600 mg/kg	-
			(OECD Test	
			Guideline 401)	
silicon dioxide	LC50 Inhalation Dusts and mists	Rat	>58.8 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

# **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
silicon dioxide	Eyes - Mild irritant	Rabbit	-	24 hours 25	-
				mg	

# **Sensitisation**

Not available.

# Potential chronic health effects

**General** : No known significant effects or critical hazards. : No known significant effects or critical hazards. Inhalation Ingestion : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Eye contact** Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. **Teratogenicity Developmental effects** : No known significant effects or critical hazards. **Fertility effects** : No known significant effects or critical hazards.

## **Chronic toxicity**

Not available.

#### Carcinogenicity

Not available.

#### Mutagenicity

Not available.

## **Teratogenicity**

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 2022

Not available.

Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

## **Numerical measures of toxicity**

## **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
CAPSTAR 57 1,1-Ethenediamine, N-[(6-chloro-3-pyridinyl)methyl]-	14175.4 1600	N/A N/A	N/A N/A	26.6 3	N/A N/A
N-ethyl-N'-methyl-2-nitro-					

# **Section 12. Ecological information**

**Ecotoxicity** 

: No known significant effects or critical hazards.

# **Aquatic and terrestrial toxicity**

Product/ingredient name	Result	Species	Exposure
1,1-Ethenediamine, N-[ (6-chloro-3-pyridinyl)methyl]- N-ethyl-N'-methyl-2-nitro-	Acute EC50 >100 mg/l (OECD Test Guideline 202)	Daphnia	48 hours
	Acute LC50 >100 mg/l (OECD Test Guideline 203)	Fish	96 hours
silicon dioxide	Acute EC50 2.2 g/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Chronic NOEC 12.5 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days

## Persistence/degradability

**Bioaccumulative potential** 

Not available.

**Mobility in soil** 

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

# Section 13. Disposal considerations

# **Disposal methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with

 Product name :
 Capstar Tablets for Large Dogs
 NZ : ENGLISH

 Version : 0.03
 Date of revision : 23 November 2023
 Date of previous issue : 9 November 2022
 7/9

# Section 13. Disposal considerations

soil, waterways, drains and sewers.

# **Section 14. Transport information**

	New Zealand - Land - road/ railway	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according

to IMO instruments

: Not available.

# **Section 15. Regulatory information**

HSNO Approval Number : Not available.
 HSNO Group Standard : Not available.
 HSNO Classification : Not classified.
 ACVM No. : A007452

**Inventory list** 

New Zealand : Not determined.

# Section 16. Other information

**History** 

Date of issue/Date of : 11/23/2023

revision

**Date of previous issue** : 11/9/2022 **Version** : 0.03

**Key to abbreviations** : ADG = Australian Dangerous Goods

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

RID = The Regulations concerning the International Carriage of Dangerous Goods

by Rail

SGG = Segregation Group UN = United Nations

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20228/9

# **Section 16. Other information**

References

Not available

▼ Indicates information that has changed from previously issued version.

#### **Notice to reader**

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact: Elanco Animal Health 0011+1-877-352-6261 0011+1-800-428-4441

Product name :Capstar Tablets for Large DogsNZ : ENGLISHVersion : 0.03Date of revision : 23 November 2023Date of previous issue : 9 November 20229/9