

SAFETY DATA SHEET SERESTO COLLAR



Date of Issue: 26 November 2012

SDS NZ

1. Identification of the Substance/Mixture and Supplier.

Product name:	SERESTO COLLAR
Application:	Veterinary medicine
Company:	Bayer New Zealand Limited, 3 Argus Place, Hillcrest, Auckland, 0627 New Zealand.
Telephone:	0800 652 488
Facsimile:	0800 229 838
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)

2. Hazards Identification.

Hazardous Status:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
HSNO Classification:	6.1D(oral), 6.9B, 9.1A, 9.2B, 9.3B, 9.4A
Signal Word:	Warning

HAZARD STATEMENTS

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H422	Toxic to the soil environment.
H432	Toxic to terrestrial vertebrates.
H441	Very toxic to terrestrial invertebrates.

PREVENTION STATEMENTS

P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

RESPONSE STATEMENTS

P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

STORAGE STATEMENTS

N/A

DISPOSAL STATEMENTS


P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.
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GHS DIAMONDS		
		
3. Composition/Information on Ingredients.		
<u>Chemical Entity</u> Imidacloprid Flumethrin PVC - powder	<u>CAS Number</u> 138261-41-3 69770-45-2 9002-86-2	<u>Proportion %w/w</u> >=10 - <20 >=3 - <10 >40 - <65
4. First Aid Measures.		
Swallowed	Give water to drink. Get medical attention if symptoms occur.	
Inhaled	If inhaled, move the victim to fresh air immediately. Obtain medical attention if symptoms occur.	
Eye Contact	If contact is made with the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.	
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.	
Further Information	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.	
5. Fire-Fighting Measures.		
Suitable extinguishing media	Any	
Hazardous combustion products	Decomposition products may include: Carbon oxides.	
Special precautions for fire-fighters	Prevent fire extinguishing water from contaminating surface water or the ground water system.	
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.	
6. Accidental Release Measures.		
Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.	
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).	
Spill	Pick up mechanically. Avoid formation of dust. Dispose of via a licensed waste disposal contractor.	

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7. Handling and Storage.

Handling	Wear appropriate PPE, and ensure there is adequate ventilation and extraction in the work area. Avoid skin or eye contact, or breathing in the product. Take measures to prevent the build-up of a static charge. Keep away from open flames, hot surfaces and sources of ignition.
Storage	Avoid impairment of water by the product. Store away from incompatible substances and food & drink.

8. Exposure Control/Personal Protection

Exposure Standards			
Product/Ingredient	WES/TWA	WES/STEL	Reference
CAS 9002-86-2	10 mg/m3 (inhalable) 3 mg/m3 (respirable)	Category II: substances with a resorptive effect (inhalable & respirable dust). Ceiling Limit Value 2.	TRGS 900
CAS 138261-41-3			SUP 0.7 mg/m3

Engineering Controls	General mechanical or local exhaust should be suitable to keep vapour/dust concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.
Personal Protection	
Respiratory	Full mask with filter ABEK-ST (ABEK-P3)
Eyes	Wear safety glasses.
Hands	Wear impermeable chemical gloves.
Other	Wear overalls or dust coat.

9. Physical and Chemical Properties

PROPERTY	SPECIFICATION	REFERENCE
Physical state	Solid	
Colour	Grey	
pH	Neutral	
Melting Pt	140 deg C	DIN ISO 3146
Flash Pt (Flumethrin)	104 deg C	DIN 51758
Bulk Density	550 kg/m3	ISO 697

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10. Stability and Reactivity

Stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous decomposition products	Carbon Monoxide, Carbon Dioxide.

11. Toxicological Information

Health Effects (based on HSNO classification)	
Swallowed	Harmful if swallowed
Chronic or Other	May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

This product is classified as Ecotoxic according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001:

- Very toxic to aquatic life with long lasting effects.
- Toxic to the soil environment.
- Toxic to terrestrial vertebrates.
- Very toxic to terrestrial invertebrates.

13. Disposal Considerations.

Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

14. Transportation Information.

Regulated for transport	(Keep separated from foodstuffs).
UN Number:	3077
Proper Shipping name:	Environmentally Hazardous Substance, Solid, NOS (Flumethrin)
Class:	9
Packing Group:	III
Hazchem:	ZZ
Marine Pollutant:	Yes



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Animal Health

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15. Regulatory Information.

ACVM Approval Number:
A10750

HSNO Classification:
6.1D(oral), 6.9B, 9.1A, 9.2B, 9.3B, 9.4A
HSNO Approval Number:
HSR100529

Controls for hazardous substances:

Level 2: MSDS required when 1kg is present in a workplace.
Level 3: Emergency Response Plan required when >100kg is present in a workplace.
Toxic signage required when >10000kg is stored.
Ecotoxic signage required when >100kg is stored.

Approved Handler: Not required.
Tracking: Not required.

Any existing national regulations on the handling of dangerous substances should be observed.
Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact an EPA approved test certifier for further information and guidance.

16. Other Information.

HSNO = Hazardous Substances and New Organisms Act.
EPA = Environmental Protection Authority

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.