



Virbac New Zealand Limited

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **PetScience Easi-Spot for Dogs**  
 Product Use: Topical endoparasiticide and ectoparasiticide for treatment, control and prevention of internal and external parasites in dogs.  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: **Virbac New Zealand Limited**  
 Address: 26 – 30 Maui Street  
 Pukete, Hamilton  
 Telephone: +64 7 849 6782  
 Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)  
**Emergency No: 0800 764 766 (National Poison Centre)**  
 Date of SDS Preparation: 28 October 2021

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

**EPA Approval No: Veterinary Medicines (Ltd pack size, Finished dose) - HSR100757**

#### Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment acute/chronic Cat. 1	H400/410	Very toxic to aquatic life with long lasting effects.
Hazardous to soil organisms	H422	Hazardous to soil organisms
Hazardous to terrestrial invertebrates	H441	Hazardous to terrestrial invertebrates

#### Prevention Code    Prevention Statement

Product Name: **PetScience Easi-Spot for Dogs**  
Date of SDS: 28 October 2021

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240    www.techcomp.co.nz

P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish fires involving this product.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt	CAS NUMBER.
Selamectin	120g/L	220119-17-5
Dipropylene Glycol Methyl Ether	100 – 250g/L	34590-94-8
Isopropyl Alcohol	500-1000g/L	67-63-0
Non hazardous	To bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on Skin	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of irritation, seek medical advice.
If Swallowed	DO NOT induce vomiting. If the patient is conscious wash mouth out with water. Do not give anything by mouth to an unconscious person. Seek medical advice immediately.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms: Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Notes to Doctor: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Note the nature of this product.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Highly Flammable liquid and vapour
<b>Hazards from products</b>	Toxic gases may be emitted in fires of this material. Fine particles (such as dust and mists) may fuel fires / explosions.
<b>Suitable Extinguishing media</b>	Use dry chemical, foam, or carbon dioxide to extinguish fires involving this product.
<b>Precautions for firefighters and special protective clothing</b>	During large-scale firefighting operations wear approved positive pressure, self-contained breathing apparatus and full protective turn-out gear.
<b>HAZCHEM CODE</b>	<b>2YE</b>

**Section 6. Accidental Release Measures**

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure. This may include eye protection, chemically resistant gloves, boots and overalls. Non-essential personnel should be evacuated from the affected area.

Prevent material from entering surface water drains or waterways. If a significant amount of material enters drains, advise emergency services.

Stop leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimize further leakage. Absorb spill with an absorbent material (e.g. sand). Collect the spilled material into labelled containers for disposal. Dispose of in compliance with local and/or national regulations as per Section 13. Decontaminate the spill area thoroughly with detergent and water, preventing run off from entering drains.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Keep exposure to this product to a minimum and minimize the quantities kept in work areas.
- Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours.
- Do not eat, drink or smoke while handling this product.
- Wash hands and exposed skin before eating, drinking or smoking and after work.

- Wash any protective clothing after use.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

#### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Store below 30°C (room temperature).
- Protect from light.
- Store in the original container, tightly closed, away from foodstuffs.

### Section 8 Exposure Controls / Personal Protection

#### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Dipropylene glycol methyl ether [34590-94-8]	100	606	150	909
Isopropyl alcohol [67-63-0]	400	983	500	1230

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12<sup>TH</sup> EDITION.

#### Engineering Controls

Ensure adequate ventilation.

#### Personal Protection Equipment



The following instructions are for those coming into frequent and / or lengthy contact with this product. For occasional handling employ precautions suitable for the conditions under which the product is being handled.

<b>Eyes</b>	Protective eyewear should be worn when handling this product as eye contact may prove painful and dangerous and should be avoided. Consult AS/NZS 1336 and 1337 for guidance.
<b>Skin</b>	Impervious protective gloves should be worn when handling this product to prevent irritation. Consult AS/NZS 2161 for guidance. Clean overalls or protective clothing, including safety boots, should be worn. Consult AS/NZS 2919 and 2210 for guidance.
<b>Respiratory</b>	Respiratory protection is not normally required; however, if the product is being handled in dusty or confined conditions, use of a mask or respirator may be preferred. Consult AS/NZS 1715 for guidance.
<b>Hygiene</b>	Change work clothes regularly. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Clear colourless to yellow solution.
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<b>Odour</b>	Characteristic alcohol odour.
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	84°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	19°C
<b>Flammability</b>	Not available
<b>Combustibility</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	0.815 – 0.847 at 25°C
<b>Water Solubility</b>	Soluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to Avoid</b>	Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces, etc) must not be allowed on the premises. Avoid accumulation of electrostatic charges, heating, heat, flames and hot surfaces.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Toxic gases may be emitted in fires of this material; carbon monoxide and carbon dioxide. Fine particles (such as dust and mists) may fuel fires / explosions.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes serious eye irritation. May have reversible effects on the eyes, such as eye irritation, which is totally reversible by the end of observation at 21 days.
<b>Skin</b>	Not applicable.

#### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause damage to organs through prolonged or repeated exposure. Narcotic effects may occur, such as drowsiness, narcosis,

decreased alertness, loss of reflexes, lack of coordination or dizziness. Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

#### COMPONENTS:

##### Acute Toxicity:

SELAMECTIN (CAS: 165108-07-6)  
Oral Route: LD50 > 1600 mg/kg  
Species: Rat

##### Skin Corrosion/Skin Irritation:

SELAMECTIN (CAS: 165108-07-6)  
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

##### Reproductive Toxicant:

SELAMECTIN (CAS: 165108-07-6)  
Suspected of damaging fertility and the unborn child.

##### Specific Target Organ Systemic Toxicity – Repeated Exposure:

SELAMECTIN (CAS: 165108-07-6)  
Oral route: C = 5 mg/kg bodyweight / day  
Species: Rat  
Duration of Exposure: 90 days

### Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects  
Hazardous to soil organisms  
Hazardous to terrestrial invertebrates

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

#### TOXICITY:

##### COMPONENTS:

SELAMECTIN (CAS: 165108-07-6)  
Crustacean Toxicity: EC50 < 1 mg/L  
Species: Daphnia magna  
Duration of Exposure: 48 h

##### MIXTURE:

No aquatic toxicity data available for the mixture.

##### PERSISTENCE AND DEGRADABILITY:

##### COMPONENTS:

SELAMECTIN (CAS: 165108-07-6)  
Biodegradability: No degradability data is available, the substance is considered as not degrading quickly.

The product must not be allowed to run into drains or waterways.

### Section 13. Disposal Considerations

##### Disposal Method:

Ensure waste management is carried out without endangering human health, without harming

the environment and, in particular, without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the Environment regulations. Empty container completely. Keep label(s) on container.

**Precautions or methods to avoid:** Avoid contamination of any water supply with chemical or empty container. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

## Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**



### Road, Rail, Sea and Air Transport

<b>UN No</b>	1219
<b>Class - Primary</b>	3
<b>Packing Group</b>	II
<b>Proper Shipping Name</b>	ISOPROPANOL (ISOPROPYL ALCOHOL)
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 1L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **Veterinary Medicines (Ltd pack size, Finished dose) - HSR100757**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L (<5L), 50L open
Tracking Trigger Quantities	Not required
Fire Extinguisher Quantities	250L - 2x required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration Conditions	A011708

## Section 16 Other Information

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.

LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

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