



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 Flealine**  
 Product Use: Solution for topical administration.  
 To treat, prevent and control infestations of fleas on cats and dogs. Vials with a maximum size of 5mL.

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: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Acute oral toxicity Cat. 4	H302	Harmful if swallowed.
Acute inhalation toxicity Cat. 4	H332	Harmful if inhaled.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
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 vertebrates	H432	Hazardous to terrestrial vertebrates
Hazardous to terrestrial invertebrates	H441	Hazardous to terrestrial invertebrates

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Water spray/fog, dry chemical, CO2 or alcohol resistant foam to extinguish fires involving this product.

Storage Code	Storage Statement
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.
Fipronil	10	120068-37-3
Benzenemethanol	25 - 50	100-51-6
Ethanol, 2-(2-ethoxyethoxy)-	>50	111-77-3
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	Rinse skin with water/shower. In case of irritation, seek medical advice.
If Swallowed	If the patient is conscious wash mouth out with water. Do not give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
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: Harmful if swallowed. Harmful if inhaled. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

Notes to Doctor: No specific antidote is available. If poisoning is suspected apply Symptomatic treatment.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Combustible Liquid
<b>Hazards from products</b>	Risk of explosion if containers exposed to fire. Danger of toxic gases in smoke – Oxides of carbon and nitrogen, various organic substances.
<b>Suitable Extinguishing media</b>	Water spray/fog, dry chemical, CO2 or alcohol resistant foam.
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective clothing and self-contained breathing apparatus (SCBA). Spray water on containers to cool. Contain contaminated fire-fighting water.
<b>HAZCHEM CODE</b>	<b>3Z</b>

### Section 6. Accidental Release Measures

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure. 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.

If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Use clean, non-sparking tools to collect the spillage and place into a suitable labeled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. Dispose of in compliance with local and/or national regulations as per Section 13.

### Section 7. Handling and Storage

#### Precautions for Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not breathe fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

#### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in a well-ventilated place. Keep cool.
- Store below 30°C in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight.
- Store away from foodstuffs, children and animals.
- Keep container sealed when not in use.

### Section 8 Exposure Controls / Personal Protection

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

Product Name: **PetScience Flealine**  
Date of SDS: 28 October 2021

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

**Substance****TWA**  
**ppm mg/m<sup>3</sup>****STEL**  
**ppm mg/m<sup>3</sup>**

No ingredients have exposure limits.

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**

Use dust extraction systems in the manufacture, handling, storage, and clean up so that airborne dust is minimized.

Do not allow the dust to build up on walls, roof, or machinery.

**Personal Protection Equipment**

<b>Eyes</b>	When handling in bulk wear suitable safety glasses.
<b>Skin</b>	When handling in bulk wear suitable gloves and protective clothing.
<b>Respiratory</b>	Not required.
<b>Hygiene</b>	Wash hands thoroughly with soap and water after handling.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Vapour releasing solution
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	60 - 93°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>	1.046 - 1.056
<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 conditions of use. Fine dust may form explosive mixtures in air.
<b>Possibility of hazardous reactions</b>	No data available.

<b>Conditions to Avoid</b>	Keep away from heat, sparks, open flames, and direct sunlight.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Not applicable.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Harmful if swallowed. LD50 per oral, rat 200 mg ≤ LD50 < 2000 mg/kg
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Harmful if inhaled. May cause dizziness, disturbances of vision, drowsiness, respiratory irritation and eye, skin and mucous membrane irritation. LC50 inhalation, rat for gases or vapors: 2 < LC50 ≤ 20 mg/L over 4 hours
<b>Eye</b>	Causes serious eye irritation.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<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.

## Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.  
Hazardous to soil organisms  
Hazardous to terrestrial vertebrates  
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
<b>Very ecotoxic in the aquatic environment</b>	Acute toxicity – all values ≤ 1mg/L 96-hour LC50 (for fish) 48-hour EC50 (for crustacean) 72- or 96-hour ErC50(for algae or other aquatic plants) This class may be subdivided for some regulatory systems to include a lower band at L(E)C50 ≤ 0.1mg/L
<b>Toxic to the soil environment</b>	Acute EC50 of the tested mixture >1 and ≤ 10 mg/kg
<b>Ecotoxic to terrestrial vertebrates</b>	Acute L(D)C50 of the tested mixture 50 < LD50 ≤ 500 mg/kg bw (oral or dermal); or 500 < LC50 ≤ 1,000 ppm (diet)
<b>Very toxic to terrestrial invertebrates</b>	Acute LD50 of the tested mixture < 2 µg/ terrestrial invertebrate

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

### Section 13. Disposal Considerations

#### Disposal Method:

Ensure container is completely empty before disposal. Securely wrap pipettes in newspapers and discard in the garbage at local authority landfill DO NOT burn empty containers or product.

**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>	3082
<b>Class - Primary</b>	9
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5L/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**

#### GHS Classification:

Flammable Liquids Cat. 4

Acute oral toxicity Cat. 4

Acute inhalation toxicity Cat. 4

Eye irritation Cat. 2

Specific target organ toxicity – repeated exposure Cat. 2

Hazardous to the aquatic environment acute/chronic Cat. 1

Hazardous to soil organisms

Hazardous to terrestrial vertebrates

Hazardous to terrestrial invertebrates

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Only use for the intended purpose.

## 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

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

Issue Date: 28 October 2021 Review Date: 28 October 2026