



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: **Flumenil Pour On**
Product Use: Triple combination oral drench with praziquantel for the treatment and control of tapeworm and internal parasites in sheep.
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: 5 April 2022

Section 2. Hazards Identification

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

GHS Classification

Specific target organ toxicity repeated exposure: Category 2
Hazardous to the aquatic environment chronic: Category 3
Hazardous to terrestrial invertebrates

**EPA Approval No: Veterinary Medicines (Non dispersive, Closed System Application)
Group Standard 2020 – HSR100758**

Pictograms



Signal Word: **Warning**

Hazard Code	Hazard Statement
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways (aspiration).
H311	Toxic in contact with skin

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H319	Causes serious eye irritation
H360D	May damage the unborn child.
H373	Causes damage to organs through prolonged or repeated exposure.
H412	Very toxic to aquatic life with long lasting effects.
H433	Harmful to terrestrial vertebrates.

Prevention Code	Prevention Statement
P103	Read label before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when handling this product.
P273	Avoid release to the environment.
P280	Wear protective personal equipment

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.
P301 + P310 + P331	If swallowed immediately call a Poison Centre. Do not induce vomiting.
P303 + P361 + P353	If on skin: Wash with plenty of soap and water.
P305 + P351 + P388	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Disposal Code	Disposal Statement
P501	Dispose of contents/ container at an approved waste disposal plant.

Section 3. Composition / Information on Hazardous Ingredients

Chemical name	CAS number	Concentration (% w/v)
Flumethrin	69770-45-2	1.0

Section 4. First Aid Measures

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	Causes damage to organs through prolonged or repeated exposure.

delayed:

Protection of first-aiders:

First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician:

Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable
Hazards from products	Not available
Suitable Extinguishing media	Water spray Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure as detailed in Section 8. Follow safe handling advice (see section 7). Non-essential personnel should be evacuated from the affected area.

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Do not swallow.
- Avoid contact with eyes.
- Wash hands thoroughly after handling.
- Avoid prolonged or repeated contact with skin.
- Wash skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Take care to prevent spills, waste and minimize release to the environment.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- In case of inadequate ventilation wear respiratory protection.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.

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- Keep out of reach of children.
- Store in original container, tightly closed, away from foodstuffs.
- Store upright in a cool place.
- Do not freeze.
- Protect from light.

Section 8 Exposure Controls / Personal Protection

No workplace exposure standards is set for this substance at this time.

Engineering Controls

Use feasible engineering controls to minimize exposure to compound.

Personal Protection Equipment



Eyes	When handling in bulk wear suitable safety glasses.
Skin	When handling in bulk wear suitable protective gloves.
Respiratory	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Hygiene	Wash hands thoroughly with soap and water after handling.

Section 9 Physical and Chemical Properties

Appearance	Light yellow oily solution
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	54 °C
Flammability	Not flammable, but may burn
Combustibility	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.84 – 0.86
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of use.
Possibility of hazardous reactions	No data available.
Conditions to Avoid	Temperatures exceeding 60°C or less than 2°C
Incompatible Materials	Solvents which may degrade the plastic container. Strong

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	oxidising agents (e.g. peroxides, permanganates, nitric acid etc).
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. LD50 oral, rat: >20 ml/kg
Inhalation	Data no available
Eye	Causes serious eye irritation.
Skin	Toxic in contact with skin. LD50 dermal, rat: 5 ml/kg

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Oxfendazole: NOAEL 20mg/kg/bw/day for reproductive effects.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Cobalt: Causes respiratory tract irritation, may cause asthma and shortness of breath.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Bioaccumulation:	K – 1.56 not bio-accumulative.
Acute daphnia toxicity:	EC50 (48hr) 0.0027 mg/L Water flea (<i>Daphnia magna</i>).
Acute fish toxicity:	LC50 (96hr) 0.17 mg/L Trout (<i>Oncorhynchus mykiss</i>). Concentrations down to 0.5mg/L are toxic to goldfish.
Algal toxicity	LC50 (72 hr) 0.59 mg/L Green algae (<i>Desmodesmus subspicatus</i>).

Section 13. Disposal Considerations

Disposal Method:

Dispose of by use.

Triple or pressure rinse container including exterior and cap. Dispose of rinsate and any undiluted chemical according to local Government requirements.

Dispose of empty container by wrapping with paper and placing in the garbage, in accordance with the Territorial Local Authority.

Precautions or methods to avoid: Avoid contamination of any water supply with chemical 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

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S (Flumethrin)
Marine Pollutant	Yes
Special Provisions	Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information. 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 (Veterinary Medicines, Non-dispersive Closed) Group Standard 2020 – HSR100758**

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	Not required
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	A11381

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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

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

This document has been prepared by Virbac NZ Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Virbac NZ 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. Please contact the New Zealand distributor, if further information is required.