

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **VETRAZIN SPRAY-ON**
Product Use: Preventative control of blowfly strike on sheep.
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Pharmsmart NZ Ltd**
Address: Level 8, 430 Victoria Street
Hamilton
3204

Telephone: 0800 694 401
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 23 August 2021

Section 2. Hazards Identification

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

EPA Approval No: Veterinary Medicine (Non-Dispersive Open System Application) – HSR100759

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin irritation Cat. 2	H315	Causes skin irritation.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through repeated or prolonged exposure.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
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.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
None allocated	

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt %	CAS NUMBER.
Cyromazine	5-10%	66215-27-8
Lactic Acid	1-2%	50-21-5
Acetic Acid	1-2%	64-19-7
Octyl Phenol Ethoxylate	1-3%	9002-93-12
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 on Skin	Take off contaminated clothing and wash before re-use. Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
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:

Swallowed:	Not applicable
Inhaled:	Not applicable.
Skin:	Causes skin irritation.
Eye:	Causes serious eye damage.
Chronic:	May cause damage to organs through repeated or prolonged exposure.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	No data available.
Suitable	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Extinguishing media	
Precautions for firefighters and special protective clothing	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ensure adequate ventilation.

Do not allow to enter drains and water courses.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Provide adequate ventilation.
- When using, do not eat, drink or smoke.
- 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 original container, tightly closed, away from direct sunlight, in a cool, dry place, avoiding temperatures below 0 °C and above 35 °C.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Acetic acid [64-19-7]	10	25	15	37
Propane-1,2-diol, Particulates only [57-55-6]	-	10	-	-

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 12TH EDITION.

Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an

acceptable level.

Personal Protection Equipment



Eyes	Wear safety glasses with side shields (or goggles).
Hands	Wear protective gloves.
Skin	Wear suitable protective clothing.
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment. (AS/NZS 1715).
General	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear red
Odour	Vinegar-like
Odour Threshold	Not available
pH	4-5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.020 – 1.060
Water Solubility	Miscible
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	This product is stable under normal conditions.
Possibility of hazardous reactions	The product is stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid	Contact with incompatible materials.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.

Eye	Causes serious eye damage.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through repeated or prolonged exposure.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Cyromazine (CAS 66215-27-8)	33387-3920 mg/kg (rat)	>3100mg/kg (Rat)	>3.6mg/L/4h(Rat) No mortality

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information:

Cyromazine Feed Grade (CAS 66215-27-8)

	LD50	Mallard Duck (Anas platyrhynchos)	2510 mg/kg
		Quail (Japanese Quail)	> 6000 mg/kg, 7 days
Other	ErC50	Pseudokirchnerella subcapitata	129 mg/l, 96 hours
	LD50	Bobwhite quail (Colinus virginianus)	1785 mg/kg
	NOEC	Pseudokirchnerella subcapitata	31.3 mg/l, 96 hours
Aquatic			
Crustacea	LC50	Daphnia magna	> 97.8 mg/l, 48 hours 5 mg/l, 48 hours
	NOEC	Daphnia magna	0.31 mg/l, 21 days
Fish	LC50	Bluegill (Lepomis macrochirus)	> 89.7 ppm, 96 hours
		Channel catfish (Ictalurus punctatus)	> 91.6 mg/l, 96 hours
		Rainbow trout	1888 mg/l, 96 hours
	NOEC	Fathead minnow (Pimephales promelas)	73 mg/l, 32 days
Terrestrial			
Other	LC50	Earthworm (Eisenia foetida)	> 1000 mg/kg, 14 days
	NOEC	Midge (Chironomus riparius)	0.16 mg/l, 26 days (Static water/sediment system (water-spiked))

Bioaccumulative potential

**Partition coefficient
n-octanol / water (log Kow)**

Cyromazine Feed Grade

-0.039, at 25 °C pH: 9

-0.069, at

25 °C pH:

7 -0.36, at

25 °C pH:

5.4 0.96

Bioconcentration factor (BCF)

Cyromazine Feed Grade

< 1

Species: Fish

Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

Cyromazine Feed Grade

1.9 - 3.25

Other adverse effects

Not available.

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

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

EPA Approval Code: Veterinary Medicine (Non-Dispersive Open System Application) – HSR100759

GHS Classification:

Skin irritation Cat. 2

Specific target organ toxicity – repeated exposure Cat. 2

Serious eye damage Cat. 1

Hazardous to the aquatic environment chronic Cat. 3

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	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat

Category

EC₅₀

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
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

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

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