

## SAFETY DATA SHEET

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

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

Product: **VETRAZIN LIQUID**  
 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: HSR002223**

#### Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Specific target organ toxicity – single exposure Cat. 2	H371	May cause damage to organs.
Hazardous to soil organisms	H423	Hazardous to soil organisms
Hazardous to terrestrial invertebrates	H443	Hazardous to terrestrial invertebrates

Prevention Code	Prevention Statement
P103	Read label before use.
P260	Do not breathe fumes, vapours or mist.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Response Code	Response Statement
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

<b>Section 3. Composition / Information on Hazardous Ingredients</b>
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<b>Ingredients</b>	<b>Wt</b>	<b>CAS NUMBER.</b>
Cyromazine	30-60%	66215-27-8
Glycerine	1-5%	56-81-5
Non hazardous	To bal	

<b>Section 4. First Aid Measures</b>
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Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.

If on Skin 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: May cause damage to organs through prolonged or repeated exposure.

Notes to Doctor: Provide general supportive measures and treat symptomatically.

<b>Section 5. Fire Fighting Measures</b>
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<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	During fire, gases hazardous to health may be formed.
<b>Suitable Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Precautions for firefighters and special protective clothing</b>	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.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

<b>Section 6. Accidental Release Measures</b>
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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 fumes, vapours or mist.
- Provide adequate ventilation.
- When using, do not eat, drink or smoke.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Store in original tightly closed container.

**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>
Glycerin (mist) [56-81-5]	-	10	-	-
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 12<sup>TH</sup> 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**



<b>Eyes</b>	Wear safety glasses with side shields (or goggles).
<b>Hands</b>	Wear protective gloves.
<b>Skin</b>	Wear suitable protective clothing.
<b>Respiratory</b>	In case of insufficient ventilation, wear suitable respiratory equipment. (AS/NZS 1715).
<b>General</b>	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.

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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<b>Appearance</b>	Liquid
<b>Colour</b>	Brown
<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>	Not available
<b>Flammability</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>	Not available
<b>Water Solubility</b>	Not available
<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

<b>Section 10. Stability and Reactivity</b>
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<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

<b>Section 11 Toxicological Information</b>
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**Acute Effects:**

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<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 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**

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

**Individual component information:****Cyromazine Feed Grade (CAS 66215-27-8)**

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

&lt; 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: HSR002223

GHS Classification:

Specific target organ toxicity – single exposure Cat. 2

Hazardous to soil organisms

Hazardous to terrestrial invertebrates

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
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

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

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