

Section 1 – Identification of the substance/preparation and the company

Product Name: INOVATA CYRO-SPRAY
Company: Inovata Ltd
Address: 16 Sheffield Crescent
 PO Box 20 449
 Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AICS00XX
Recommended Use: For the preventative control of blowfly strike on sheep

Section 2 – Hazard Identification

Hazard Classes:



Skin irritation Category 2
 Eye Irritation Category 2
 Specific target organ toxicity – single exposure
 Category 2 Aquatic toxicity
 Hazardous to the aquatic environment chronic
 Category 4

EPA NZ Approval Code:
SIGNAL WORD:

HSR001792
 WARNING

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Cyromazine	66215-27-8	60* g/L
Other excipient ingredients	Not disclosed	<940g/L

Section 4 – First Aid Measures

If Swallowed: Call a POISON CENTRE or contact a doctor/physician if you feel unwell. Rinse Mouth.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before use.

If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.

If exposed or if you feel unwell: Call the POISON CENTRE or contact a doctor/physician. If medical advice is needed, have product container or label at hand.

Section 5 – Fire-fighting Measures

Flashpoint: Nonflammable

IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

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Combustion Products:	Thermal decomposition may generate irritating or toxic vapours.
Flammability Limits:	Not applicable
Protective Equipment:	Breathing apparatus, face shield or protective goggles, and neoprene rubber gloves and boots
Extinguishing Media:	Water spray, carbon dioxide, dry chemical, or foam
Special Fire Fighting Methods:	Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Evacuate area and fight fire from a safe distance.

Section 6 – Accidental Release Measures

Spills and Disposal:	<p>MAJOR SPILLS Slippery when spilt. Minor hazard.</p> <ol style="list-style-type: none"> 1: Clear area of personnel. 2: Alert Fire Brigade and tell them location and nature of hazard. 3: Control personal contact by using protective equipment as required. 4: Prevent spillage from entering drains or waterways. 5: Contain spill with sand, earth, or vermiculite. 6: Collect recoverable product into labelled containers for recycling. 7: Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. 8: Wash area and absorb further with inert material. Prevent runoff into drains or waterways. 9: If contamination of drains or waterways occurs, advise emergency services.
Spills and Disposal: (continued)	<p>Minor Spills: Slippery when spilt.</p> <ol style="list-style-type: none"> 1: Clean up all spills immediately. 2: Avoid breathing vapours and contact with skin and eyes. 3: Control personal contact by using protective equipment. 4: Contain and absorb spill with sand, earth, inert material or vermiculite. 5: Wipe up. 6: Place in a suitable labelled container for waste disposal. <p>Disposal:</p> <ol style="list-style-type: none"> 1: Recycle wherever possible or consult manufacturer for recycling options. 2: Consult State Land Waste Management Authority for disposal. 3: Treat and neutralise with slaked lime at an effluent treatment plant. 4: Recycle containers, otherwise dispose of in an authorised landfill.
Protective Equipment:	Wear neoprene gloves and boots, overalls, and face/eye protection

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Environmental Precautions: Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

Storage: Stable at room temperature in closed containers under normal storage conditions.
STORAGE INCOMPATIBILITY
Light, exposure to air, excess heat, strong oxidants.

Handling: Do not handle until all safety instructions have been read and understood.
Wear eye protection.
Avoid release to the environment.

Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

Exposure Limits: None assigned.

Protective Equipment: Observe good workplace practices and avoid contact with skin and eyes. Wear overalls, safety glasses and neoprene gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear respiratory protection.

Hygiene Precautions: Do not eat, drink, or smoke when using this product.

Engineering Controls: Good general ventilation should be sufficient to control airborne levels. Local and general ventilation should be used as necessary, when handling this material in bulk.

Section 9 – Physical and Chemical Properties

Appearance: Clear red colour liquid
Specific Gravity: 1.03-1.04
pH: 3.8-5.8
Vapour Pressure: N/A
Oxidising properties: Non oxidising
Corrosive properties: Non corrosive

Section 10 – Stability and Reactivity

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: None.

Materials to Avoid: Store only in the container supplied. Use the recommended delivery equipment.

Hazardous Decomposition Products: None if stored and handled correctly.

Section 11 – Toxicological Information

Cyromazine

Acute toxicity (oral)	LD50 oral Rabbit, 1467 mg/kg
Eye	No known effect
Skin	No known effect
Inhalation	No known effect
Ingestion	Harmful if swallowed
Mutagenicity	No known effect
Carcinogenicity	No known effect
Reproductive, developmental & effects via lactation	No known effect
Target organ toxicity (oral)	Affects the blood and the hematopoietic system. Cyromazine was administered to 56 beagle dogs (7/sex/group) at 0, 30, 300, and 3000 ppm for 6 months. Pronounced effects on the hematocrit and hemoglobin levels were noted at 300 and 3000 ppm. The systemic NOEL was established at 30 ppm (0.75 mg/kg/day).

Section 12 - Ecological Information

Cyromazine	
Aquatic	No known effect
Soil	Harmful in the soil environment Soil DT 50 > 30 days
Terrestrial vertebrates	Terrestrial vertebrates Toxic to LD50 Rabbit, 1467 mg/kg
Terrestrial invertebrates	Toxic to invertebrates
Mobility, persistence & degradability	Cyromazine has low to high mobility in soil

Section 13 – Disposal Considerations

Product and container Disposal:	Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz .
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Section 14 – Transport Information

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Cyromazine)
UN Number:	3082
DG Class:	9
Subsidiary Risk Class:	None
Packing Group:	III
HAZCHEM Code:	3Z

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Section 15 – Regulatory Information

ERMA NZ Registration Code: HSR001792
See <http://www.epa.govt.nz> for approval conditions

NZFSA Approval Number: A012004
See www.foodsafety.govt.nz for registration conditions

Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Inovata Ltd for more information.

EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)

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