



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

Product Name: DONAGHYS STRIKEOUT SPRAY-ON
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: ASS0010 / ASS0020
Recommended Use: For the preventative control of blowfly strike on sheep

Section 2 – Hazard Identification

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

GHS Pictograms:



Hazard Statements: H315 Causes skin irritation
H319 Causes serious eye irritation
H371 May cause damage to organs
H413 May cause long lasting harmful effects to aquatic life

Prevention Statements: P103 Read label before use.
P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection.

Response Statements: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before re-use.
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.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Storage: P405 Store locked up.

Signal word: WARNING

EPA NZ Approval Code: HSR100759
Veterinary Medicines (Non-dispersive Open System Application)
Group Standard 2017

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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.

POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

- Flashpoint:** Nonflammable
- 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:** **MAJOR SPILLS**
- Slippery when spilt. Minor hazard.
- 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.

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Spills and Disposal:
(continued)

- 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.

Minor Spills:

- Slippery when spilt.
- 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.

Disposal:

- 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

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

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 Toxic to LD50
Terrestrial vertebrates:	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

Section 15 – Regulatory Information

ERMA NZ Registration Code:	HSR100759 See http://www.epa.govt.nz for approval conditions
NZFSA Approval Number:	A009952 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 Donaghys Ltd for more information.

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

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