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

Product Name: Selenium 5
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
New Zealand
Telephone Number: 0800 942 006
Manufacturer Product Code: ASMXXXX
Recommended Use: Dairy cattle and sheep mineral supplement

Section 2 – Hazard Identification

Hazard Classes:



Acute oral toxicity Category 4
Acute dermal toxicity Category 4
Acute inhalation toxicity Category 4
Germ cell mutagenicity Category 2
Specific target organ toxicity- single exposure Category 2
Specific target organ toxicity- repeated exposure Category 2
Hazardous to the aquatic environment chronic Category 3

Hazard Statements:
Harmful if swallowed.
Harmful if in contact with skin.
Harmful if inhaled.
May cause damage to organs.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Prevention Statements:
Keep out of reach of children.
Read label before use.
Wash hands thoroughly after handling.
Do not eat, drink or smoke while using this product.
Do not breath dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use only outdoors or in a well-ventilated area.

Signal Word: Warning

EPA NZ Approval Code: HSR002521 Animal Nutritional and Animal Care Products Group Standard 2006

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Sodium Selenate	13410-01-0	1.2%

Section 4 – First Aid Measures

If Swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If irritation persists call a POISON CENTRE or doctor / physician.

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

If inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTRE or doctor / physician.

Advice to Doctor: Treat symptomatically.

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: Not applicable
Combustion Products: Not applicable
Flammability Limits: Not applicable
Protective Equipment: Breathing apparatus and protective gloves
Extinguishing Media: Based on surrounding materials
Special Fire Fighting Methods: None

Section 6 – Accidental Release Measures

Spills and Disposal: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface, and dispose of according to local and regional authority requirements.

Protective Equipment: Wear protective gloves and face/eye protection

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

Section 7– Handling and Storage

Storage:
Store out of direct sunlight.
Keep container lid tightly closed.
Store locked up.
Keep out of reach of children

Section continues on the next page.

Section 7– Handling and Storage (cont.)

Handling:

Do not handle until all safety instructions have been read and understood.
Wear eye / face protection.
In case of inadequate ventilation wear respiratory protection.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Other Information:

Contraindication: Selenium. This product should not be used when selenium intake from pasture is high or selenium is provided by other means (such as pasture top dressing, vaccine, pellets or selenium drenches) if blood selenium levels at treatment are high. Users can determine the stock selenium status by consulting their veterinarian.

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: Not available

Protective Equipment: Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and waterproof gloves when handling. Wear eye / face protection.

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

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Section 9 – Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	No noticeable odour
Specific Gravity:	1.003
pH:	N/Av
Vapour Pressure:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Flammability Limits:	N/A
Solubility:	Soluble in water

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: Galvanized iron

Hazardous Decomposition Products: None

IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

Section 11 – Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Ingestion:	May be harmful if swallowed
Inhalation:	N/A.
Dermal:	Product is not known to be irritating to the skin
Ocular:	Product is not known to be irritating to the eyes
Mutagenicity:	Product is suspected of causing genetic defects
Carcinogenicity:	Product is not suspected of causing cancer
Reproductive Effects:	Product is not suspected of causing damage to fertility or to the unborn child
Chronic Effects:	May cause damage to organs through prolonged or repeated exposure

Section 12 - Ecological Information

EPA Classification:	None
Ecotoxicity:	Hazardous to the aquatic environment chronic Category 2 Hazardous to soil organisms Hazardous to terrestrial vertebrates
Bioaccumulation:	Sodium Selenate is a bio accumulative compound

Section 13 – Disposal Considerations

Product Disposal:	If possible, dispose of by using product according to the label, otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations.

Section 14 – Transport Information

Proper Shipping Name:	None assigned
UN Number:	3082
DG Class:	9
Subsidiary Risk Class:	N/A
Packing Group:	III
HAZCHEM Code:	N/A

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR002521
ACVM Approval Number:	ACVM Approval not required
APVMA Registration Number:	APVMA Approval not required

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.

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