



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

Product Name: DairyMin® 4 Chelate
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AM4C0200
Recommended Use: An animal remedy used to prevent and treat trace element deficiencies in dairy cows by drinking water medication, or by daily oral drenching

Section 2 – Hazard Identification

HSNO Classes: 6.1D(Oral), 6.5B, 8.3A, 9.1B, 9.2C, 9.3C
GHS Hazard Classifications: Acute oral toxicity Category 4
Skin sensitisation Category 1
Serious eye damage Category 1
Hazardous to the aquatic environment chronic Category 2
Hazardous to soil organisms
Hazardous to terrestrial vertebrates



Hazard Statements: H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H411 - Toxic to aquatic life with long lasting effects
H423 - Harmful to the soil environment
H433 - Harmful to terrestrial vertebrates

Precaution Statements: P102 - Keep out of reach of children
P103 - Read label before use
P261 - Avoid breathing fume/gas/mist/vapours/spray
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Signal Word: DANGER

EPA NZ Approval Code: HSR002521

**Section 3 – Composition Information**

Chemical Entity	CAS No.	Content [%]
Zinc Glycinate	7214-08-6	<15%
Cobalt Glycinate	14281-74-4	<1%
EDDI Iodine	5700-49-2	0.15%
Sodium Selenate	13410-01-0	<0.5%

Section 4 – First Aid Measures

If swallowed:	NEVER give anything by mouth to an unconscious person. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE 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 so, continue rinsing. Immediately call a POISON CENTER 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.
If exposed or concerned:	Get medical advice/attention.
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:	May evolve toxic gases under extreme fire conditions
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. Collect spillage.
Protective Equipment:	Wear protective gloves and face/eye protection
Environmental Precautions:	Avoid entry into waterways or streams. Prevent washings from entering waterways.

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



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.
- Handling:** Do not handle until all safety instructions have been read and understood.
Do not eat, drink or smoke when using this product.
Do not breathe vapours or spray.
Wear protective overalls. Gloves and eye/face protection.
Wash hands thoroughly after handling.
Wash contaminated clothing before reuse. Contaminated clothing should not be allowed out of the workplace.
Avoid release to the environment.
Collect spillage.

Other information:

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 workplace practices and avoid contact with skin and eyes. Wear overalls, safety glasses and waterproof 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:** 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:** Liquid
- Odour:** Slight metallic odour
- Specific Gravity:** N/A
- pH:** N/A
- 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:	None
Hazardous Decomposition Products:	None

Section 11 – Toxicological Information

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

Ingestion:	Product contains low concentrations of minerals known to be acutely toxic. (Selenium, Cobalt). LD ₅₀ (Oral) > 500mg/kg
Inhalation:	Product may cause respiratory irritation, distress or asthma.
Dermal:	Product is a skin irritant and may cause allergic reactions.
Ocular:	Product is strongly irritating to eyes.
Mutagenicity:	No mutagenic effects are known.
Carcinogenicity:	Product is suspected of causing cancer.
Reproductive Effects:	Product is suspected of causing damage to fertility or to the unborn child.
Chronic Effects:	Product causes organ damage through prolonged or repeated exposure.

Section 12 - Ecological Information

EPA Classification:	Hazardous to the aquatic environment chronic Category 2
Ecotoxicity:	Toxic to aquatic life with long lasting effects
Bioaccumulation:	Product contains bioaccumulative and ecologically persistent ingredients

Section 13 – Disposal Considerations

Product Disposal:	If possible, dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 50 cm in a disposal pit specifically marked and set up for this purpose clear of waterways.
Container Disposal:	Triple rinse container and add residue to feed system. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.



Section 14 – Transport Information

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

Section 15 – Regulatory Information

EPA NZ Registration Code: HSR002521
See <http://www.epa.govt.nz> for approval conditions
ACVM Approval Number: 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.

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