



SDS DairyMin 4 Bulk	Date: 13.12.2024	Version No: 2.0	Page 1 of 6
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Section 1 – Identification of the substance/preparation and the company

Product Name:	DairyMin® 4 Bulk
Company:	Donaghys Ltd
Address:	16 Sheffield Crescent PO Box 20 449 Christchurch New Zealand
Telephone Number:	0800 942 006
Manufacturer Product Code:	ADM4B025
Recommended Use:	An animal remedy used to prevent and treat trace element deficiencies in dairy cows by addition to inline water dosing systems

Section 2 – Hazard Identification

GHS Classifications:	Acute oral toxicity Category 4 Acute dermal toxicity Category 4 Acute inhalation toxicity Category 4 Skin irritation Category 2 Respiratory sensitisation Category 1 Skin sensitisation Category 1 Germ cell mutagenicity Category 2 Carcinogenicity Category 2 Reproductive toxicity Category 2 Specific target organ toxicity – repeated exposure Category 2 Serious eye damage Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms Hazardous to terrestrial vertebrates
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GHS Pictograms:



Hazard Statements:	H302	Harmful if swallowed
	H312	Harmful in contact with skin
	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage
	H332	Harmful if inhaled
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	H341	Suspected of causing genetic defects
	H351	Suspected of causing cancer
	H361	Suspected of damaging fertility or the unborn child
	H373	May cause damage to organs through prolonged or repeated exposure
	H410	Very toxic to aquatic life with long lasting effects Hazardous to soil organisms Hazardous to terrestrial vertebrates

IN CASE OF EMERGENCY PHONE

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

Prevention Statements:	P102	Keep out of reach of children.
	P103	Read label before use.
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P261	Avoid breathing dust/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.
	P281	Use personal protective equipment as required.
	P285	In case of inadequate ventilation wear respiratory protection.
Response Statements:	P101	If medical advice is needed, have product container or label at hand.
	P301 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
	P330	Rinse mouth.
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
	P362	Take off contaminated clothing and wash before re-use.
	P332 + P313	If skin irritation occurs: Get medical advice/attention.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P363	Wash contaminated clothing before reuse.
	P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
	P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
	P304 + P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
	P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
	P308 + P313	IF exposed or concerned: Get medical advice/attention.
	P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P391	Collect spillage.



Storage: P405 Store locked up.

Signal Word: DANGER

EPA NZ Approval Code: HSR002521
Animal Nutritional and Animal Care Products
Group Standard 2017

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Sodium Selenate	13410-01-0	0.24
Cobalt Sulfate	10026-24-1	0.57
Zinc Sulfate Monohydrate	7446-19-7	27.47
EDDI Iodine	5700-49-2	0.25

Section 4 – First Aid Measures

If Swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE (0800 764 766) or doctor/physician. If medical advice is needed, have product container or label at hand.

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

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

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 exposed or if you feel unwell: Call a POISON CENTRE or 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: 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

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Section 6 – Accidental Release Measures

- Spills and Disposal:** Contain spill and sweep up. Dispose of waste safely according to the regulations of local authorities. Avoid generating dust. Collect spillage.
- Protective Equipment:** Wear protective gloves and face/eye protection
- Environmental Precautions:** Avoid entry into waterways or streams. Prevent washings from entering waterways. If spill does enter waterways, contact the local authority.

Section 7– Handling and Storage

- Storage:** Store out of direct sunlight.
Keep container 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
Wear protective overalls, gloves and eye / face protection.
Avoid breathing dust. In case of inadequate ventilation wear respiratory protection.
Wash hands thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.
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:** Particulates not otherwise classified: WES-TWA = 10mg/m³
inspirable dust, 3mg/m³ dust
Cobalt metal dust and fume (as Co) WES = 0.05mg/m³
Copper dust and mist (as Cu) WES-TWA = 1mg/m³
- Protective Equipment:** Observe good workplace practices and avoid contact with skin and eyes. Wear overalls, full face shield and elbow-length impervious gloves when handling. In case of inadequate ventilation wear respiratory protection.
- Hygiene Precautions:** Do not eat, drink or smoke when using this product. Always wash hands before eating, drinking or smoking or using the toilet.
Wash protective clothing daily after work.
- Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dusts below their respective threshold limit value.

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**Section 9 – Physical and Chemical Properties**

Appearance:	White crystalline solid
Odour:	None
Specific Gravity:	>1
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:	Moisture. Reduce expose to air to preserve shelf life.
Materials to Avoid:	Galvanized iron, Strong acids
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) (Sodium Selenate) = 25mg/kg LD ₅₀ (Oral) (Cobalt Sulfate) = 582mg/kg LD ₅₀ (Oral) (Zinc Sulfate) = 1710mg/kg LD ₅₀ (Oral) (Sodium Chloride) = 3000mg/kg Ingestion of large quantities of this product may cause vomiting, abdominal pain, dizziness, convulsions, shock, coma and possible death. Repeated ingestion of significant quantities of Sodium Chloride may cause body electrolyte and fluid imbalance.
Inhalation:	Product may cause respiratory irritation, distress or asthma
Dermal:	Product is a skin irritant and may cause allergic reactions or dermatitis
Ocular:	Product is strongly damaging to eyes
Mutagenicity:	Product may cause genetic defects
Carcinogenicity:	Product contains a known animal carcinogen (cobalt)
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

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Section 12 - Ecological Information

EPA Classification:	Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms Hazardous to terrestrial vertebrates
Ecotoxicity:	Very toxic to aquatic life with long lasting effects. Harmful to the soil environment. Harmful to terrestrial vertebrates.
Bioaccumulation:	Product contains bioaccumulative and ecologically persistent ingredients

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, Solid, N.O.S (Contains Zinc Sulfate, Cobalt Sulfate)
UN Number:	3077
DG Class:	9
Subsidiary Risk:	None
Packing Group:	III
HAZCHEM Code:	2Z

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR002521 See http://www.epa.govt.nz for approval conditions
ACVM Approval Number:	No ACVM Approval Required
APVMA Registration Number:	No APVMA Approval 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)

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