



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

Product Name: Dairy Min 3
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AM30200
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

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

GHS Pictograms:



Hazard Statements: H302 Harmful if swallowed
H312 Harmful in contact with skin
H332 Harmful if inhaled
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H320 Causes eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
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
H423 Harmful to the soil environment
H433 Harmful to terrestrial vertebrates

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- 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 fume/gas/mist/vapours/spray
 - 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
 - P271 Use only outdoors or in a well-ventilated area
 - 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 Statement:**
- P101 If medical advice is needed, have product container or label at hand.
 - P301 + P312 IF SWALLOWED: Call a POISON CENTER 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.
 - P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P312 Call a POISON CENTER 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 CENTER or doctor/physician.
 - P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 - 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.
 - P308 + P313 IF exposed or concerned: Get medical advice/attention.
 - P314 Get medical advice/attention if you feel unwell.

Storage: P405 Store locked up.

Signal Word: DANGER

EPA NZ Approval Code: HSR002521
Animal Nutritional and Animal Care Products
Group Standard 2020

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Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Sodium Selenate	13410-01-0	0.14
Copper Sulfate	7758-98-7	0.9
Cobalt Sulfate	10026-24-1	0.4

Section 4 – First Aid Measures

- If Swallowed:** Rinse mouth. Do NOT induce vomiting. Give milk or water to drink, seek medical attention urgently.
- 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:** Take off contaminated clothing and wash before re-use. Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice / attention. Wash contaminated clothing before re-use. Call a POISON CENTER or doctor/physician if you feel unwell.
- 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:** 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:** Collect spillage. 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.

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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. 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. Collect spillage.

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:** Blue-brown liquid
- Odour:** No noticeable odour
- Specific Gravity:** 1.2
- pH:** 2.1
- 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



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, Copper, Cobalt). LD ₅₀ (Oral) > 5000mg/kg
Inhalation:	Product may cause respiratory irritation, distress or asthma.
Dermal:	Product is mild skin irritant and may cause allergic reactions
Ocular:	Product is strongly irritating to eyes
Mutagenicity:	No mutagenic effects are known
Carcinogenicity:	Product is not 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 1
Ecotoxicity:	Very toxic to aquatic life with long lasting effects
Bioaccumulation:	Product contains bioaccumulative and ecologically persistent ingredients

Section 13 – Disposal Considerations

Product and Container Disposal:	Preferably dispose of product by use. Triple rinse container and add residue to feed system. 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. (contains copper sulfate)
UN Number:	3082
DG Class:	9
Subsidiary Risk Class:	None
Packing Group:	III
HAZCHEM Code:	3Z

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Section 15 – Regulatory Information

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