



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

HSNO Classes: 6.1D, 6.3A, 6.4A, 6.5A, 6.5B, 6.7B, 6.8B, 6.9B, 9.1A, 9.2C, 9.3C

GHS Hazard 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.

Hazard Statements:

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled.
H315 - Causes skin irritation
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

Precaution 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

IN CASE OF EMERGENCY PHONE

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



Precaution Statements: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
(Continued) 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
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

Signal Word: DANGER

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	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: 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

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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.

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.
- 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:** 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

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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:	9.1A
Ecotoxicity:	Very 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 copper sulfate)
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

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)