



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

Product Name: Dairy Min 8
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer Product Code: AD8XXXX
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

Hazard Classes:



6.3B Causes Mild Skin Irritation



6.5A May cause allergy or asthma symptoms or breathing difficulties if inhaled

6.5B May cause an allergic skin reaction

6.7B Suspected of causing cancer



6.8B Suspected of damaging human fertility or the unborn child

6.9B May cause damage to organs through prolonged or repeated exposure

8.3A Causes Serious Eye Damage

9.1A Very toxic to aquatic life with long lasting effects

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
Zinc Sulfate Monohydrate	7446-19-7	2.9
EDDI Iodine	5700-49-2	0.05
Manganese Sulfate	10034-96-5	0.5
Boric acid	10043-35-3	0.02
Chromium Sulfate	12336-95-7	0.01
Fermentation extract		15.0

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

Version: 0313



Section 4 – First Aid Measures

If Swallowed:	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.
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	May evolve toxic gases under extreme fire conditions
Products:	
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.
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 work place 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:	Slight molasses odour
Specific Gravity:	1.10
pH:	3.0 - 3.4
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 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, Iodine)
Inhalation:	Product may cause respiratory irritation, distress or asthma.
Dermal:	Product is a mild skin irritant and may cause allergic reactions
Ocular:	Product is strongly corrosive to eyes and causes serious eye damage
Mutagenicity:	No mutagenic effects are known
Carcinogenicity:	Product is suspected of being carcinogenic
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 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:	2X

Section 15 – Regulatory Information

EPA NZ Registration Code: HSR002521

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)