



SDS NO: DairyMin DMX Fodder Beet | Date: 17.12.2024 | Version No: 2.0 | Page 1 of 6

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

Product Name: Dairy Min DMX Fodder Beet
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
New Zealand
Telephone Number: 0800 942 006
Manufacturer Product Code: AMDMXF25
Recommended Use: An animal remedy loose salt lick used to assist with the supplementation of trace element deficiencies in dairy cows. Along with additional calcium and phosphorus support for stock grazing on fodder beet.

Section 2 – Hazard Identification

GHS Classifications: Eye irritation Category 2
Skin sensitisation Category 1
Reproductive toxicity Category 2
Specific target organ toxicity – single exposure Category 2
Specific target organ toxicity – repeated exposure Category 2
Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1

GHS Pictograms:



Hazard Statements: H320 Causes eye irritation
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H371 May cause damage to organs
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements: 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/vapours.
P261 Avoid breathing dust/fume/vapours
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.

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



SDS NO: DairyMin DMX Fodder Beet | Date: 17.12.2024 | Version No: 2.0 | Page 2 of 6

Response Statements:

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.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Storage: P405 Store locked up.

Signal Word: WARNING

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

Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Copper Sulfate	7758-98-7	1.6%
Cobalt Sulfate	10026-24-1	0.1%
Zinc Sulfate Monohydrate	7446-19-7	3.3%
Other ingredients determined to be non-hazardous	N/A	Balance

Section 4 – First Aid Measures

If swallowed: DO NOT induce vomiting. Rinse mouth and give milk or water to drink. If unwell call a POISON CENTRE or doctor/physician

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If irritation persists, 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)

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SDS NO: DairyMin DMX Fodder Beet | Date: 17.12.2024 | Version No: 2.0 | Page 3 of 6

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:	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 lid tightly closed. Store locked up. Keep out of reach of children.
Handling:	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 reuse. 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.

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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/m ³ inspirable dust, 3mg/m ³ dust Cobalt metal dust and fume (as Co) WES = 0.05mg/m ³ Copper dust and mist (as Cu) WES-TWA = 1mg/m ³
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.

Section 9 – Physical and Chemical Properties

Appearance:	Grey/yellow powder
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



SDS NO: DairyMin DMX Fodder Beet | Date: 17.12.2024 | Version No: 2.0 | Page 5 of 6

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).
LD₅₀ (Oral) (Sodium Selenate) = 25mg/kg
LD₅₀ (Oral) (Copper Sulfate) = 300mg/kg
LD₅₀ (Oral) (Cobalt Sulfate) = 582mg/kg
LD₅₀ (Oral) (Zinc Sulfate) = 1710mg/kg
LD₅₀ (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 irritating to eyes.
- Mutagenicity:** Product is not known to cause genetic defects.
- Carcinogenicity:** Product is not known to be carcinogenic.
- Reproductive Effects:** Product is suspected of causing damage to fertility or to the unborn child.
- Chronic Effects:** Product causes damage through prolonged or repeated exposure

Section 12 - Ecological Information

- EPA Classification:** Hazardous to the aquatic environment acute Category 1
Hazardous to the aquatic environment chronic Category 1
- 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 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:** If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.

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SDS NO: DairyMin DMX Fodder Beet | Date: 17.12.2024 | Version No: 2.0 | Page 6 of 6

Section 14 – Transport Information

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains copper sulfate)

UN Number: 3077

DG Class: 9

Subsidiary Risk Class: 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

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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