



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

Product Name: Cobalt Concentrate Solution
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
New Zealand
Telephone Number: 0800 942 006
Manufacturer Product Code: ACO0020
Recommended Use: An animal remedy used to prevent and treat trace element deficiencies by drinking water medication, or by daily oral drenching

Section 2 – Hazard Identification

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

GHS Pictograms:



Hazard Statements: H317 May cause an allergic skin reaction
H361 Suspected of damaging fertility or the unborn child
H373 Causes damage to organs through prolonged or repeated exposure
H411 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/gas/mist/vapours/spray
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
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

Response Statement: 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

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



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 [%]
Cobalt Sulfate Heptahydrate	10026-24-1	4

Section 4 – First Aid Measures

If Swallowed: Give milk or water to drink, if feeling unwell seek medical advice/attention.

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

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 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. 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:** Read label before use. 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.

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:** No special engineering controls necessary for normal use.

Section 9 – Physical and Chemical Properties

- Appearance:** Blue liquid
- Odour:** No noticeable odour
- Specific Gravity:** 1.02
- pH:** 3.0 – 4.5
- 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:** None
- 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 is not acutely toxic but contains cobalt sulfate in low concentrations. LD₅₀ (oral) (cobalt sulfate) = 330mg/kg (b.w.)
- Inhalation:** Product may cause respiratory irritation
- Dermal:** Product is a skin irritant and may cause allergic reactions



Ocular:	Product is not 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 may cause organ damage through prolonged or repeated exposure

Section 12 - Ecological Information

EPA Classification:	Toxic to aquatic life with long lasting effects
Ecotoxicity:	Toxic to aquatic life
Bioaccumulation:	Unknown. Product aquatic toxicity has long lasting effects

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, LIQUID, N.O.S. (contains cobalt sulfate solution)
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
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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