

SAFETY DATA SHEET

Date of Issue: 14th July, 2026
Issue Number: 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Bell-Booth Organic Cobalt

OTHER NAMES:

USE: Cobalt supplement for animal health

COMPANY IDENTIFICATION : Bell-Booth Limited
15 Tiki Place
Palmerston North
New Zealand
tel +64 6 358 9052
www.bell-booth.co.nz

Emergency Telephone Numbers: 0800 80 90 91
NATIONAL POISONS CENTRE 0800 764 766
POLICE, FIRE, AMBULANCE Dial 111

2. HAZARDS IDENTIFICATION

Product is classified according to the Hazardous Substances (Hazard Classification) Notice 2020

HSNO Approval: HSR002521 Animal Nutritional and Animal Care Products Group Standard 2020.

HSNO Classifications: 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 aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1.

Pictograms:



Signal word: DANGER

Hazard Statements:

H317 May cause an allergic skin reaction.
H319 Causes serious 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.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements:

P102 Keep out of reach of children.

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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 mist/vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated clothing should not be allowed out of the workplace.
P273 Avoid release to the environment. (unless following label instructions).
P280 Wear protective gloves/protective clothing and eye or face protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P362 + P364 Take off contaminated clothing and wash before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
P305 + P351 + P338 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.
P391 Collect spillage.

Storage Statements:

P405 Store locked up.

Disposal Statements:

P501 Dispose of product and containers in compliance with local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Cobalt sulphate heptahydrate	10026-24-1	1 < 5
Citric acid	77-92-9	1 < 3
Other ingredients	Proprietary	balance

4. FIRST AID MEASURES

If exposed or concerned, get medical advice. If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre (tel. 0800 764 766) or a doctor.

EYES: Hold eyes open and carefully rinse eyes with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice if irritation persists.

SKIN: Wash affected area with soap and water. Get medical advice if irritation or rash persists.

INGESTION: Rinse mouth. Get medical advice if feeling unwell.

INHALATION: If breathing is difficult, remove to fresh air, keep warm and at rest until recovered. If concerned or experiencing respiratory problems, call a Poison Centre or doctor.

FIRST AID FACILITIES: Eye wash and handwashing facilities.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Nonflammable.

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FLAMMABLE LIMITS:LFL: Not determined **UFL:** Not determined
EXTINGUISHING MEDIA: Use water spray, dry agent, carbon dioxide or foam. Water spray or fog can be used to cool containers or on surrounding materials.
FIRE & EXPLOSION HAZARDS: Will emit toxic compounds if heated to decomposition.
FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain and collect spillage. Prevent from entering drains or other waterways. Wear overalls, boots, gloves and eye protection. Recover product and any contaminated materials to containers that can be sealed. If product cannot be re-used, dispose of to landfill.
DISPOSAL: Use product as per label or bury in landfill.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Use product according to label instructions for intended purpose only. Observe good personal hygiene. Wear personal protective equipment, e.g. overalls, boots, impervious gloves, and eye protection. if risk of dust. Wash hands after use and before rest or meal breaks. Wash contaminated protective clothing after use and separate from household laundry.
STORAGE: Store locked up. Keep out of reach of children and prevent access by pets/domestic animals. Store in dry, well-ventilated area, out of direct sunlight. Ensure containers are labelled, protect from physical damage, and keep closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Workplace Exposure Standards (WES) have not been set for this product (Workplace Exposure Standard and Biological Exposure Indices, edition 15, February 2025). However, the following has been set for:

Cobalt metal dust and fume (as Co) WES-TWA 0.02 mg/m³

ENGINEERING CONTROLS: Not required when used outdoors or in a well-ventilated area.
PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Wear safety goggles, or glasses with side shields (AS/NZS1337) if risk of exposure to eyes.

Skin protection: Wear gloves, e.g. rubber gloves (AS/NZS 2161). Wear overalls to protect clothes from contamination and closed in footwear.

Respiratory protection: If risk of inhaling vapour/mist wear a suitable respiratory device compliant with AS/NZ 1715.

Other: Not required

General information: The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Deep red liquid.
Odor: Mild

Bell-Booth Organic Cobalt

Odor threshold:	Not available
pH:	Not available
Melting point (°C):	Not available
Boiling point (°C):	Not available
Flash point (°C):	Non flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability:	Not applicable
Vapour pressure:	Not available
Vapour density:	Not available
Density/specific gravity:	1.03
Solubility:	Soluble in water
Partition Coefficient: -octanol/water:	Not available.
Autoignition temperature (°C):	Not known
Decomposition temperature:	Not known
Kinematic viscosity:	Not available
Particle characteristics:	Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions (temperatures, pressure) of storage and use.

CONDITIONS TO AVOID: High temperatures, moisture, sunlight, ignition sources and incompatible substances.

MATERIALS TO AVOID: Alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of cobalt and other unspecified compounds.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

Acute toxicity: Not classified for acute toxicity by ingestion, absorption through skin or if inhaled. Ingestion may however result in vomiting, gastric pain, dizziness, convulsions, shock, coma and possible death.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: Mist/aerosols may be irritating if inhaled.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: May cause serious eye irritation..

Respiratory or skin sensitization: Cobalt sulphate classified as both respiratory and contact sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Cobalt sulphate is a suspected carcinogen.

Reproductive toxicity: Cobalt sulphate identified as suspected of affecting male fertility and/or unborn child.

Specific organ toxicity: Cobalt sulphate may cause damage to organs through prolonged or repeated exposure at high doses.

Narcotic effects: No information available.

Toxicity data:

Cobalt sulphate, Sheep, LD50 330 mg/kg bw

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Bell-Booth Organic Cobalt

Aquatic environment: Very toxic to the aquatic environment and with long-lasting effects.

Use product only according to label instructions.

Soil environment: Not classified.

Terrestrial vertebrates: May be hazardous if ingested in large quantities. Follow label instructions.

Terrestrial invertebrates: Not classified.

Ecotoxicological data: Not available for formulated product.

PERSISTENCE AND DEGRADATION: No information available.

POTENTIAL TO BE BIOACCUMULATIVE: No information available to indicate bioaccumulative effects.

MOBILITY IN SOIL: This product is soluble in water.

OTHER ADVERSE EFFECTS: No specific information available.

13. DISPOSAL CONSIDERATIONS

Product: Use product as per label directions. Dispose of waste (unwanted product or residues) to landfill in accordance with Regional Authority or local council bylaws.

Packaging: Dispose of empty packaging by crushing and burying in landfill. Do not use for storage of other products.

Special Precautions: No specific information available.

Unsuitable methods: Do not dispose of into drains, sewers or other waterways.

14. TRANSPORT REGULATIONS

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (COBALT SULPHATE)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (COBALT SULPHATE)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (COBALT SULPHATE)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk	-	Sub. Risk	-	Sub. Risk	-
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Z	Hazchem	3Z		

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 9.

Please consult the Land Transport Rule: Dangerous Goods 2010, and NZS 5433:2020

Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Country: New Zealand

Inventory: Components listed.

EPA New Zealand HSNO Approval Code: HSR002521 Animal Nutritional and Animal

Safety Data Sheet: Bell-Booth Organic Cobalt

Date: 14th July, 2026

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Care Products Group Standard 2020.

Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that requires management in accordance with HSW HS Regulations:	1000 L
Quantity for secondary containment and emergency response plan:	100 L or more
Quantity for signage:	100 L or more

For information on Controls refer to www.epa.govt.nz and www.worksafe.govt.nz.

16. OTHER INFORMATION

Date of Issue: 16th July 2026
Reasons for Issue: 5-yearly SDS review
Replaces: SDS dated 28th July 2021.

Abbreviations:

AS	Australian Standard
bw	body weight
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
GHS	Global Harmonized System
HS	Hazardous Substance
HSNO	Hazardous Substances and New Organisms
LD ₅₀	Dose lethal to 50% of population
NOAEL	No observed adverse effect level
NZS	New Zealand Standard
SDS	Safety Data Sheet
TWA	Time weighted average
WES	Workplace Exposure Standard

References: Supplier Safety Data Sheets
CCID; www.epa.govt.nz

Other information:

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Bell-Booth Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET