

# SAFETY DATA SHEET

Date of Issue: 1<sup>st</sup> July, 2024  
Issue Number: 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** Bell-Booth Trifecta Chelate

**OTHER NAMES:** -

**USE:** Cobalt and selenium with chelated copper 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](http://www.bell-booth.co.nz)

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

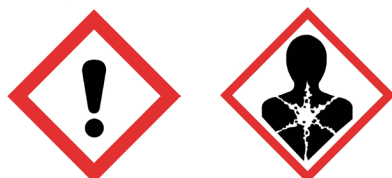
## 2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to the NZ Hazardous Substance (Hazard Classification) Notice 2020.

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

**HSNO Classifications:** Skin irritation Category 2, Eye irritation Category 2, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Mutagenicity Category 2, Carcinogenicity Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2.

**Pictograms:**



**Signal word:** DANGER

**Hazard Statements:**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
P319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.

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H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs/systems through repeated or prolonged exposure.

### 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 mist/vapours.  
P264 Wash hands thoroughly after handling.  
P272 Contaminated clothing should not be allowed out of the workplace.  
P280 Wear eye /face protection and gloves.  
P281 Use personal protective equipment as required.  
P285 In case of inadequate ventilation wear respiratory protection.

### Response Statements:

P308 + P313 If exposed or concerned Get medical advice.  
P314 Get medical attention if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice.  
P363 Wash contaminated clothing before re-use.  
P304 + P341 IN INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.  
P305 + P351 + P338 IN 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.

### 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
Copper EDTA	14025-15-1	20 - 25
Cobalt sulphate	10124-43-3	0.1 - 0.5
Sodium selenate	13410-01-0	0.1 - 0.5
Other ingredients*	Proprietary	Balance

\* do not affect classification of mixture

## 4. FIRST AID MEASURES

If medical advice is needed, have product container or label at hand. If exposed or concerned, get advice. For medical 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. Do not induce vomiting. Get medical advice.

**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 hand washing facilities.

**ADVICE TO DOCTOR:** Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

**FLASH POINT:** Nonflammable.

**FLAMMABLE LIMITS:**LFL: Not determined      **UFL:** Not determined

**EXTINGUISHING MEDIA:** Use a 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 (oxides of copper, cobalt, selenium and sulphur oxides and other compounds) if heated to decomposition.

**FIRE-FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus and personal protection clothing.

## **6. ACCIDENTAL RELEASE MEASURES**

**SPILLS:** Contain spill. Prevent from entering drains or other waterways. Wear protective clothing, gloves and eye protection. Recover protect 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. Observe good personal hygiene. Wear personal protective equipment. Do not breathe mist or vapour. Wash hands after use and before rest or meal breaks. Launder contaminated protective clothing before re-use.

**STORAGE:** **Keep out of reach of children.** Store locked up in dry, well ventilated area and away from incompatible materials and foodstuffs. Ensure containers 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 14, November 2023). However, the following has been set for elemental metal compounds.

Copper (Cu) CAS No 7440-50-8,  
WES-TWA 0.1 mg/m<sup>3</sup> (respirable dust, skin sensitizer)

Cobalt (Co), metal dust and fume (CAS No 7440-48-4)  
WES-TWA 0.1 mg/m<sup>3</sup> (carcinogen, respiratory and skin sensitizer)

Selenium (Se) CAS No 7782-49-2)  
WES-TWA 0.02 mg/m<sup>3</sup> (skin)

**ENGINEERING CONTROLS:** Not required when used outdoors or in well ventilated area.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

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

**Respiratory protection:** If risk of inhaling mist, wear a suitable respiratory device compliant with AS/NZ 1715. Wear half face mask fitted with cartridge (BP >65°C).

**Other:** Not required

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Odor:	Mild
Odor threshold:	Not available
pH:	4.0
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
Relative density:	1.16
Solubility:	Soluble in water
Partition Coefficient: -octanol/water:	Not available.
Autoignition temperature (°C):	Not known
Decomposition temperature:	Not known
Kinematic viscosity:	Not available

### 10. STABILITY AND REACTIVITY

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

**CONDITIONS TO AVOID:** High temperatures and incompatible substances.

**MATERIALS TO AVOID:** Alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, copper, selenium and sulphur 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:** May be harmful if swallowed.

Ingestion may cause nausea or other gastrointestinal disturbances. Symptoms of acute poisoning includes symptoms of vomiting, gastric pain, dizziness, convulsions, shock, coma and possible death.

**Aspiration hazard:** No information available to indicate aspiration hazard.

**Respiratory irritation:** May be irritating if inhaled.

**Skin corrosion/irritation:** Skin irritant.

**Serious eye damage/irritation:** Serious eye irritant.

**Respiratory or skin sensitization:** Copper EDTA classified as contact sensitizer. Cobalt sulphate is both a respiratory and contact sensitizer.

**Germ cell mutagenicity:** Sodium selenate is identified as a possible mutagen.

**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:** May cause damage to organs/systems through prolonged or repeated exposure. Chronic health effects can include adverse effects on heart, vascular system, kidney damage, enlargement of liver and jaundice.

**Narcotic effects:** No information available.

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### Toxicity data:

Calculated mixture LD<sub>50</sub> 4060 mg/kg b.w.

Cobalt sulphate Sheep, oral LD<sub>50</sub> 330 mg/kg b.w.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

**Aquatic environment:** May be harmful to aquatic life with long lasting effects.

**Soil environment:** May be harmful to the soil environment.

**Terrestrial vertebrates:** Not classified.

**Terrestrial invertebrates:** Not classified.

### Ecotoxicological data on components:

No additional information available.

**PERSISTENCE AND DEGRADATION:** No information available to indicate ingredients persistent in environment. Copper EDTA and cobalt sulphate salts contain metallic compound.

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

**MOBILITY IN SOIL:** 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:** Triple rinse empty container and use washings for makeup water in spray tank. Dispose of empty rinsed containers 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.	Not regulated	UN No.	Not regulated	UN No.	Not regulated
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

### Dangerous Goods Segregation

This product is not classified as a Dangerous Good.

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 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:	-
Quantity for secondary containment and emergency response plan:	-
Quantity for signage:	-

For information on Controls refer to [www.epa.govt.nz](http://www.epa.govt.nz) and [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

### 16. OTHER INFORMATION

**Date of Issue:** 1<sup>st</sup> July 2024

**Reasons for Issue:** Review product classifications and 5-year review..

**Replaces:** SDS dated 14<sup>th</sup> June 2019.

#### 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 <sub>50</sub>	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](http://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