

SAFETY DATA SHEET

Date of Issue: 12th May, 2025
Issue Number: 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:	Bell Booth Copper		
OTHER NAMES:	-		
USE:	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		
Emergency Telephone Numbers:	0800 80 90 91 NATIONAL POISONS CENTRE POLICE, FIRE, AMBULANCE	0800 764 766 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: Acute oral toxicity Category 4, Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation, Category 1; Specific target organ toxicity (repeated exposure) Category 2, Hazardous to aquatic environment (acute) Category 1, Hazardous to the aquatic environment (chronic) Category 1, Hazardous to terrestrial vertebrates.

Pictograms:



Signal word: WARNING

Hazard Statements:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
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.
Hazardous to terrestrial vertebrates.

Bell Booth Copper

Prevention Statements:

P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe dust/mist/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 and eye or face protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P314 Get medical advice/attention if you feel unwell.
P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P330 Rinse mouth.
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 reuse.
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.

Storage Statements:

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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 sulfate pentahydrate	7758-99-8	30
Other ingredients	Proprietary	balance

4. FIRST AID MEASURES

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 immediate medical advice.

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

INGESTION: Rinse mouth. Do not induce vomiting. 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 hand washing 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. Do not eat, drink or smoke when using this product.
Wash hands after use and before rest or meal breaks. Launder contaminated protective clothing before re-use.
STORAGE: 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 been set for an ingredient in this product (Workplace Exposure Standard and Biological Exposure Indices, edition 15, February 2025).

Copper (Cu) dust and mists

WES-TWA 1 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 mist/vapours 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:	Blue liquid
Odor:	Mild
Odor threshold:	Not available
pH:	4
Melting point (°C):	Not applicable
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:	1.33
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 and incompatible substances.

MATERIALS TO AVOID: Alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of copper 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: Harmful if ingested. Ingestion may cause nausea or other gastrointestinal disturbances.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: Not classified.

Skin corrosion/irritation: Skin irritant.

Serious eye damage/irritation: Serious eye irritant.

Respiratory or skin sensitization: Copper sulphate is classified as a contact sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: May cause damage to organs/systems through prolonged or repeated exposure. Chronic health effects can include adverse effects to blood and hematopoietic system, kidney and/or liver.

Narcotic effects: No information available.

Toxicity data:

Copper sulphate Rat, LD₅₀ 960 (Cu) mg/kg bw

Product, calculated oral LD₅₀ 3200 mg/kg b.w.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

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: Hazardous to terrestrial vertebrates.

Terrestrial invertebrates: Not classified.

Ecotoxicological data: Not available for formulated product.

Copper sulphate Algae, EC₅₀ 0.0031mg/L
 Daphnia magna, LC₅₀ (48 hr) 0.18 mg/L
 Oncorhynchus mykiss, LC₅₀ (96 hr) 0.032 mg/L

PERSISTENCE AND DEGRADATION: Product contains copper which is not degradable.

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.

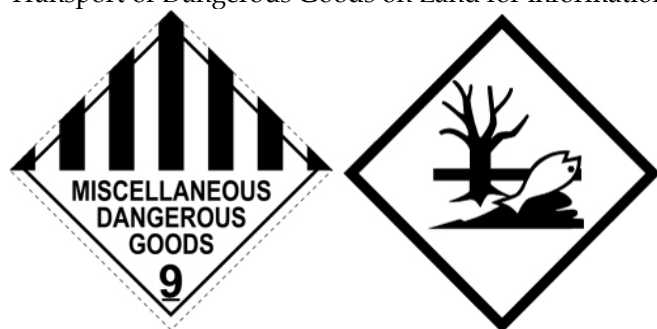
14. TRANSPORT REGULATIONS

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	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
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 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: 12th May 2025
Reasons for Issue: 5-year review of SDS.
Replaces: SDS dated 17th August 2020

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