

SAFETY DATA SHEET

Date of Issue: 6 May 2026
Issue number: 2

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Bell-Booth Crumble**
 Product Use: Mineral supplement for dairy cows and young stock.
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Bell-Booth Limited**
 Address: 15 Tiki Place
 Palmerston North
 New Zealand

Telephone: +64 6 358 9052
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 6 May 2026

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Animal Nutritional and Animal Care Products – HSR002521

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P261	Avoid breathing dust.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment [if this is not the intended use].
P280	Wear protective clothing as detailed in SDS Section 8.

Response Code	Response Statement
P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

Storage Code	Storage Statement
None Allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Sodium Chloride	25-30	7647-14-5
Magnesium Oxide	5-10	1309-48-4
Calcium Carbonate	3-5	1317-65-3
Zinc Sulphate	1-3	7446-19-7
Copper Sulphate	<1	7758-99-8
Non-hazardous or trace elements	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Allow person to assume most comfortable position and keep warm. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	Not applicable.
Inhalation:	Not applicable.
Skin:	May cause an allergic skin reaction.
Eye:	Causes serious eye irritation.

Advice to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	Will emit toxic compounds (e.g. oxides of copper, cobalt, selenium and sulphur oxides and other compounds) if heated to decomposition.
Suitable 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.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus and personal protection clothing.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures**For emergency responders:**

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions:

Keep product away from drains, surface and underground water. If large spills occur notify local authorities.

Methods and material for containment and cleaning up:

Collect spillage and recover product into a sealed container for disposal. If the product cannot be reused dispose to the landfill. Refer to Section 13 for disposal information.

Section 7. Handling and Storage**Precautions for Handling:**

- Read carefully and follow all instructions.
- Avoid breathing dust.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace. Launder contaminated protective clothing before re-use.
- Avoid release to the environment.
- Wear protective clothing as detailed in SDS Section 8.
- Avoid contact with skin and eyes.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- 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.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Magnesium oxide fume	[1309-48-4]	-	1(r)	-	5(r)
Limestone (Calcium carbonate)	[1317-65-3]	-	10	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15TH EDITION.

Engineering Controls

Not required when used outdoors or in a well-ventilated area.

Personal Protection Equipment



Eyes	Wear safety goggles, or glasses with side shields (AS/NZS1337) if risk of exposure to eyes.
Skin	Wear gloves, e.g. rubber gloves (AS/NZS 2161). Wear overalls (AS/NZS 4501), to protect clothes from contamination and closed in footwear (AS/NZS2210).
Respiratory	If risk of inhaling dust, wear a suitable respiratory device compliant with AS/NZ 1715.
General	Wash hands after handling.

Section 9 Physical and Chemical Properties

Appearance	Loose Mix
Colour	Golden
Odour	Odourless
Odour Threshold	Not available
pH	7.1 (as 1% aqueous dispersion)
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non-Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Disperses in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions (temperatures, pressure) of storage and use.
Possibility of hazardous reactions	No data available.
Conditions to Avoid	High temperatures and incompatible substances.
Incompatible Materials	Alkalis.
Hazardous Decomposition Products	Oxides of carbon, copper, selenium and sulphur and other unspecified compounds.

Section 11 Toxicological Information**Acute Effects:**

Swallowed	This product is not classified as acutely toxic. Mixture rules calculation = LD50 = 73056 mg/kg
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is not classified as acutely toxic. Dust may be irritating if inhaled.
Eye	Causes serious eye irritation.
Skin	May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Individual component information:**Acute Toxicity:**

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Zinc Sulphate	1710 mg/kg (rat)	-	-
Copper Sulphate	960 mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

Product:	
Persistence and degradability	Mineral salts contain metallic compounds. No information available to indicate any other ingredients persistent in environment.
Bioaccumulation	No data available
Mobility in Soil	Mineral compounds in this product are soluble in water.
Other adverse effects	No data available

Ecotoxicological data on components:

Copper sulphate:

Oncorhynchus mykiss (trout) LC50 (96 hr) 0.32 mg/L

Daphnia magna EC50 (48 hr) 0.18 mg/L

Selenastrum capricornutum EC50 (72hr) 0.0031 mg/L

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Use product as per label directions. Dispose of waste (unwanted product or residues) to landfill in accordance with Regional Authority or local council bylaws. Dispose of empty packaging by crushing and burying in landfill. Do not use for storage of other products.

Precautions or methods to avoid: Do not dispose of into drains, sewers or other waterways.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Animal Nutritional and Animal Care Products – HSR002521

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000kg
Emergency Response Plan	1000kg
Secondary Containment	1000kg
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

Issue Date: 6 May 2026 Review Date: 6 May 2031