

SAFETY DATA SHEET

Date of Issue: 31st August, 2022

Issue Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Bell-Booth Intense 5 PKE MONO

OTHER NAMES:

USE: Mineral supplement.

COMPANY IDENTIFICATION : Bell-Booth Limited
15 Tiki Place
Palmerston North
New Zealand
tel +64 6 358 9052
www.bell-booth.co.nz
0800 80 90 91

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

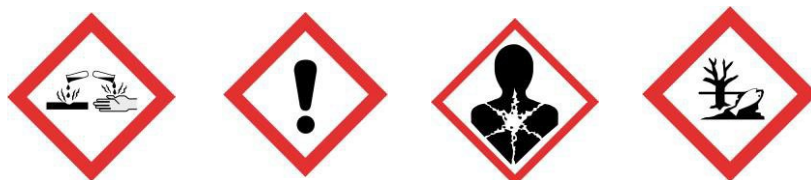
2. HAZARDS IDENTIFICATION

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

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

HSNO Classifications:
Acute oral toxicity Category 4, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Reproductive toxicity Category 2, Specific target organ - repeated exposure Category 2, Serious eye damage Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms.

Pictograms:



Signal word: DANGER

Hazard Statements:
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs/systems through repeated or prolonged exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H423 Harmful to the soil environment.

Prevention Statements:

P102 Keep out of reach of children.

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.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear eye protection and gloves.

P281 Use personal protective equipment as required.

P285 In case of inadequate ventilation wear respiratory protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.

P314 Get medical attention if you feel unwell.

P301 + P312 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

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 re-use.

P304 + P341 IF 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/physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor.

P308 + P313 IF exposed or concerned: Get medical advice.

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 |
|------------------------------|-------------|---------|
| Sodium chloride | 7647-14-5 | 45 - 55 |
| Zinc sulphate monohydrate | 7446-19-7 | 30 - 40 |
| Manganese sulphate | 10034-96-5 | 1 - 10 |
| Citric acid | 77-92-9 | 1 - 5 |
| Cobalt sulphate heptahydrate | 10026-24-1 | 1 - 3 |
| Sodium selenate | 13410-01-0 | 0.1 - 1 |
| Other ingredients * | proprietary | 5 < 15 |

* do not affect classification of mixture

4. FIRST AID MEASURES

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

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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.

SKIN: Wash affected area with soap and water. Get medical advice if irritation persists or rash occurs. Wash contaminated clothing before re-use.

INGESTION: Rinse mouth. Get immediate 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 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 (e.g. oxides of cobalt, selenium 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 spillage. Prevent from entering drains or other waterways. Wear gloves and eye protection. Wear respiratory protection to avoid breathing dust. 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 get advice from supplier or local council to dispose of unwanted or contaminated material in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Do not eat, drink or smoke when using. Observe good personal hygiene. Wear personal protective equipment. Do not breathe dust. Wash hands after use and before rest or meal breaks. Launder contaminated protective clothing separate from household laundry before re-use.

STORAGE: Keep out of reach of children and prevent access by pets/domestic animals. Store locked up in dry, well-ventilated area, out of direct sunlight. Avoid extremes of heat; store between 2°C and 40 °C. Avoid exposure of product to water and high humidity as will absorb moisture and change colour. 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 by Worksafe (April 2022) for components in this product.

| | |
|---|--|
| | WES-TWA |
| Cobalt metal dust and fume, as Co | 0.02 mg/m ³ |
| Manganese fume, dust and compounds, as Mn | 0.2 mg/m ³ |
| | 0.02 mg/m ³ (respirable dust) |
| Selenium and compounds, as Se | 0.1 mg/m ³ |

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Zinc oxide

2 mg/m³

0.1 mg/m³ (respirable dust)

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 and closed in footwear.

Respiratory protection: If risk of inhaling dust, wear a suitable respiratory device for particulates compliant with AS/NZ 1715.

Other: 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: | Crystalline powder. Mainly opaque white with blue, dark red, pink or brown flecks or particles. |
| Odor: | Odorless |
| 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 |
| Relative density: | Not available |
| 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 (temperature, pressure) of storage and use.

CONDITIONS TO AVOID: High temperatures, moisture, sunlight, dust generation, static discharges, ignition sources and incompatible substances.

MATERIALS TO AVOID: Oxidizing materials, strong acids, reducing agents, organic materials, acetic anhydride, alkalis, carbonates, hydroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, copper, selenium 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: Classified as harmful by ingestion. Symptoms may include nausea, vomiting, gastrointestinal disturbances, abdominal pain and diarrhea. Ingestion of large quantities will be toxic. Product contains sodium selenate which is very toxic.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: Dust may be irritating if inhaled.

Skin corrosion/irritation: May be mildly irritating to skin.

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

Respiratory or skin sensitization: Cobalt sulphate has sensitisation properties.

Germ cell mutagenicity: Sodium selenate is classified as suspected of causing genetic defects.

Carcinogenicity: Cobalt sulphate is present in the mixture and is a suspected carcinogen.

Reproductive toxicity: Cobalt sulphate is present in the mixture.

Specific organ toxicity: Components in this mixture are identified as causing adverse effects on target organs or systems.

Narcotic effects: No information available.

Toxicity data:

| | |
|---------------------------|--|
| Sodium selenate | Rat, LD ₅₀ 1.6 mg/kg bw |
| Cobalt sulphate | Sheep, LD ₅₀ 330 mg/kg bw |
| Manganese sulphate | Rat, LD ₅₀ 782 mg/kg b.w. |
| Sodium chloride | Rat, LD ₅₀ 3000 mg/kg bw |
| Zinc sulphate monohydrate | Mouse, LD ₅₀ 1891 mg/kg b.w |

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environment: Very toxic to aquatic life and with long lasting effects. Do not allow product to contaminate waterways, drains or sewers.

Soil ecotoxicity: Harmful in the soil environment. Product contains sodium selenate.

Terrestrial vertebrates: Not classified.

Terrestrial invertebrates: Not classified.

Ecotoxicological data on components:

| | |
|---------------|--|
| Zinc sulphate | <i>Daphnia hyalina</i> , LC ₅₀ (48 hr) 0.098 mg/L |
| | Algae EC ₅₀ 0.44 mg/L |

PERSISTENCE AND DEGRADATION: Mineral salts contain metallic compounds.

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

MOBILITY IN SOIL: Mineral compounds in this product are 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.

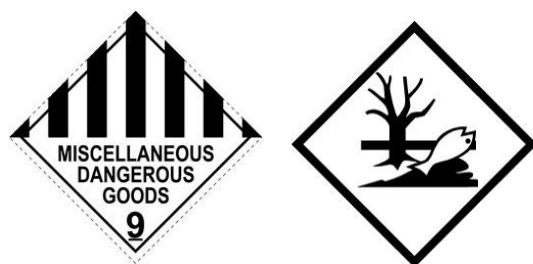
14. TRANSPORT REGULATIONS

| Road and Rail Transport | | Marine Transport | | Air Transport | |
|-------------------------|--|----------------------|--|----------------------|--|
| UN No. | 3077 | UN No. | 3077 | UN No. | 3077 |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (CONTAINS ZINC SULPHATE) | Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (CONTAINS ZINC SULPHATE) | Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (CONTAINS ZINC 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 | 2Z | Hazchem | 2Z | | 2Z |

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 9.

Please consult the Land Transport Rule: Dangerous Goods 2005, 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.

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

| | |
|--|--------------|
| Safety Data Sheet: | Any quantity |
| Restricted to workplace only: | No |
| Quantity that requires management in accordance with HSW HS Regulations: | 1000 kg |
| Quantity for secondary containment and emergency response plan: | 100 kg |
| Quantity for signage: | 100 kg |
| Certified Handler: | No |
| To be secured when unattended: | No |
| Location compliance certificate: | No |
| Tracking: | No |

16. OTHER INFORMATION

Date of Issue: 31st August 2022
Reasons for Issue: New product.
Replaces: -

Abbreviations:

| | |
|------------------|--|
| bw | body weight |
| EEL | Environmental Exposure Limit |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms |
| LD ₅₀ | Dose lethal to 50% of population |
| NOAEL | No observed adverse effect level |
| NZS | New Zealand Standard |
| 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