



SAFETY DATA SHEET

Date of Issue: 21st November, 2019
Issue Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: IntenSE 5 PKE

OTHER NAMES: IntenSE 5 PKE Powder Blend

USE: Mineral supplement for dairy cow health.

COMPANY IDENTIFICATION : Bell-Booth Limited
15 Tiki Place
Palmerston North
New Zealand
tel +64 6 358 9052 fax + 64 6 358 9051
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 (Classification) Notice 2017.

HSNO Approval: HSR002521 Animal Nutritional and Animal Care Products Group Standard 2017.

HSNO Classifications: 6.1D (oral), 6.3B, 6.5A, 6.5B, 6.6B, 6.7B, 6.8B, 6.9B, 8.3A, 9.1A, 9.2C, 9.3C

Pictograms:



Signal word: DANGER

Hazard Statements:

H302 Harmful if swallowed.
H316 Causes mild skin irritation.
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.

H410 Very toxic to aquatic life with long lasting effects.

H423 Harmful in the soil environment.

H433 Harmful to terrestrial vertebrates.

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.

P308 + P313: If exposed or concerned get medical advice.

P314 Get medical attention if you feel unwell.

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

P362 Take off contaminated clothing and wash before reuse.

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.

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.

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 |
|--------------------|-------------|---------|
| Zinc sulphate | 7446-20-0 | 30 - 60 |
| Manganese sulphate | 10034-96-5 | <5 |
| Cobalt sulphate | 10026-24-1 | <5 |
| Sodium selenate | 13410-01-0 | <1 |
| 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 immediate medical advice.

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 (e.g. oxides of 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. 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 bury in landfill.

7. HANDLING AND STORAGE

HANDLING: Read label before use. 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 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 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 components in this product. However, the following have been set for similar substances.

| | |
|--|--------------------------------|
| Cobalt (Co), metal dust and fume | |
| (bio) 6.7B (skin) (sens) | WES-TWA 0.02 mg/m ³ |
| Manganese (Mn), fume, dust and compounds | WES-TWA 1 mg/m ³ |
| Selenium (Se), dust and mists | WES-TWA 0.1 mg/m ³ |
| Zinc oxide dust | WES-TWA 10 mg/m ³ |

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 dust, wear a suitable respiratory device compliant with AS/NZ 1715.

Other: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------------|
| Appearance: | Whitish powder with red flecks |
| Odor: | Odourless |
| 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 |

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: 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: Mildly irritating to skin.

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

Respiratory or skin sensitization: Cobalt sulphate is both a respiratory and contact sensitizer.

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

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 kidney damage, enlargement of liver and jaundice.

Narcotic effects: No information available.

Toxicity data:

Calculated mixture LD₅₀ >300 <2000 mg/kg b.w.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environment: Very toxic to aquatic life with long lasting effects.

Soil environment: Harmful to the soil environment. Product contains sodium selenate.

Terrestrial vertebrates: Harmful to terrestrial vertebrates.

Terrestrial invertebrates: Not classified.

Ecotoxicological data on components:

No additional information available.

PERSISTENCE AND DEGRADATION: No information available to indicate ingredients persistent in environment. Mineral 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: 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 | Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S | Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, 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 | 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 5433:2012 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 2017.

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

16. OTHER INFORMATION

Date of Issue: 21st November 2019

Reasons for Issue: New product.

Replaces: Not applicable,

Abbreviations:

| | |
|------------------|------------------------------------|
| EEL | Environmental Exposure Limit |
| EPA | Environmental Protection Authority |
| LD ₅₀ | Dose lethal to 50% of population |
| NZS | New Zealand Standard |
| 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