



SAFETY DATA SHEET

Date of Issue: 4th August, 2021

Issue Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: IntenSE Organic Selenium 5 mg/mL

OTHER NAMES:

USE: Selenium mineral supplement for animal 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 POISONS CENTRE 0800 764 766
POLICE, FIRE, AMBULANCE 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: Germ cell mutagenicity, Category 2; Specific Target Organ Toxicity, repeated exposure, Hazardous to soil organisms; Category 2; Hazardous to the aquatic environment, chronic Category 3

Pictograms:



Signal word: WARNING

Hazard Statements:

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

H423 Harmful to the soil environment.

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.

P273 Avoid release to the environment.

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P281 Use personal equipment as required.

Response Statements:

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

P314 Get medical advice if you feel unwell.

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 selenate	13410-01-0	0.1 – 0.2
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. If exposed or concerned, get medical advice.

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 persists.

INGESTION: Rinse mouth. Do not induce vomiting. Get medical advice if feeling unwell or concerned.

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. Over-exposure will result in a characteristic garlic odor of breath and from seat. High dose Vitamin C (several grams taken daily) has been used to assist with treatment of selenium poisoning.

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/irritating compounds (e.g. carbon and selenium oxides) 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. Avoid breathing mist/aerosols. 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. impervious gloves, and eye protection if risk of splashes or aerosols. Avoid breathing any mist/aerosols. Use in well-ventilated area. 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 locked 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 a component in this product (Workplace Exposure Standard and Biological Exposure Indices, edition 12, November 2020).

Selenium and compounds as Se

WES-TWA 0.1 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/aerosols, 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:	Yellow liquid
Odor:	Odorless
Odor threshold:	Not available
pH:	8
Melting point (°C):	Not available
Boiling point (°C):	100
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:	1.005 – 1.01
Solubility:	Soluble in water
Partition Coefficient: -octanol/water:	Not available.

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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: None identified.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and 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: Not classified for acute toxicity by ingestion, absorption through skin or if inhaled. If ingested may result in abdominal pain, diarrhea, nausea, vomiting, pallor and coated tongue.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: May cause damage to organs through prolonged or repeated exposure to the liver. Low level prolonged exposure (approximately 5 mg/day as Se) by humans may cause the following chronic health effects; bronchial irritation, symptoms of asphyxiation, gastro-intestinal distress, nasopharyngeal irritation, brittle hair with unpigmented replacement hair, brittle nails with spots and longitudinal streaks on the surface. Damaged nails are replaced by new thickened nails with roughened surfaces. In more severe cases, fluid may effuse from around the nail bed.

Skin may develop lesions, mainly on the hands, feet, forearms, neck and outer side of legs.

Affected skin may be red and swollen, and blisters may develop.

Narcotic effects: No information available.

Toxicity data: LD₅₀ (calculated) 2016 mg/kg b.w.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environment: Harmful to aquatic life with long lasting effects. Harmful to the soil environment. Use product only according to label instructions.

Soil environment: Not classified.

Terrestrial vertebrates: Not classified.

Terrestrial invertebrates: Not classified.

Ecotoxicological data: Not available.

PERSISTENCE AND DEGRADATION: Product contains selenium.

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

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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.	Non-regulated	UN No.	Non-regulated	UN No.	Non-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

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Regulations:

Quantity for secondary containment and emergency response plan:

1000 L

Quantity for signage:

1000 L

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

16. OTHER INFORMATION

Date of Issue: 4th August 2021

Reasons for Issue: Review hazardous classifications and change to GHS descriptions and review SDS.

Replaces: SDS dated 13th July, 2016, version 2.

Abbreviations:

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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