



SAFETY DATA SHEET

Date of Issue: 6th August, 2021

Issue Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:	IntenSE Organic Trifecta
OTHER NAMES:	-
USE:	Copper, cobalt and selenium 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 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: Skin irritation, Category 2; Eye irritation, Category 2, Skin sensitisation, Category 1; Germ cell mutagenicity, Category 2; Carcinogenicity, Category 2; Reproductive toxicity, Category 2; Specific target organ toxicity chronic (repeated exposure) Category 2; Hazardous to the aquatic environment, acute, Category 1; Hazardous the aquatic environment chronic, Category 1.

Pictograms:



Signal word: WARNING

Hazard Statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- 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 through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long-lasting effects.

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.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.
P281 Use personal protective equipment as required.

Response Statements:

P314 Get medical advice if you feel unwell.
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 IF 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.
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
Copper sulphate pentahydrate	7758-99-3	15 - 20
Cobalt sulphate heptahydrate	10026-24-1	0.1 < 0.5
Sodium selenate	13410-01-0	0.1 < 0.5
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 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.

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 harmful/irritating compounds (e.g. oxides of carbon, copper, cobalt, selenium, sulphur) 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 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 also eye protection if risk of splashes or aerosols. 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 up 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 components in this product (Workplace Exposure Standard and Biological Exposure Indices, edition 12, November 2020).

	WES-TWA
Cobalt, metal dust and fume, as Co	0.02 mg/m ³
Copper and its inorganic compounds, as Cu	0.01 mg/m ³
Selenium, metal dust and fume, as Se	0.1 mg/m ³

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:	Clear colorless liquid
Odor:	Mild
Odor threshold:	Not available
pH:	4
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:	1.13
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, sunlight.

MATERIALS TO AVOID: Alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, copper, cobalt, selenium and sulphur.

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, dizziness, convulsions and vomiting.

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 and cobalt sulphate are identified as skin sensitizers. The cobalt sulphate concentration is less than the concentration threshold to classify the mixture as a respiratory sensitizer.

Germ cell mutagenicity: Sodium selenate is classified as a possible mutagen.

Carcinogenicity: Cobalt sulphate is classified as may cause cancer.

Reproductive toxicity: Cobalt sulphate is classified as may cause reproductive or developmental effects.

Specific organ toxicity: Copper sulphate may cause adverse effects to the kidneys from repeated or prolonged exposure. The liver may also be affected resulting in jaundice.

Narcotic effects: No information available.

Toxicity data:

Copper sulphate Rat, oral LD₅₀ 960 mg/kg b.w.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

Aquatic environment: Very toxic to the aquatic environment with long-lasting effects. Use product only according to label instructions.

Soil environment: Not classified.

Terrestrial vertebrates: Not classified.

Terrestrial invertebrates: Not classified.

Ecotoxicological data:

Copper sulphate Rainbow trout, LC₅₀ 0.032 mg/L

Daphnia magna EC₅₀ (48 hr) 0.18 mg/L

Selenastrum capricornutum (green alga) EC₅₀ (5 day) 0.0031 mg/L

PERSISTENCE AND DEGRADATION: No information available for mixture.

POTENTIAL TO BE BIOACCUMULATIVE: No information available for mixture.

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. (COPPER SULPHATE 20%)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COPPER SULPHATE 20%)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COPPER SULPHATE 20%)
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

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Quantity that requires management in accordance with HSW HS Regulations: -
Quantity for secondary containment and emergency response plan: 100 L
Quantity for signage: 100 L
For information on Controls refer to www.epa.govt.nz and www.worksafe.govt.nz.

16. OTHER INFORMATION

Date of Issue: 6th 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:

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