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SAFETY DATA SHEET

Plant of Health Bio-Trace™ Issue Date: February 2026

1. IDENTIFICATION

Product Name: Plant of Health Bio-Trace™

Recommended Use: Fertiliser

Company Details:
Batphone Australia
22 Morrisby St Geebung 4034
ABN 15 639 596 580
Phone: +61 (07) 3865 1288

Emergency Contact Points
National Poisons Information Centre: 13 11 26 (from anywhere in Australia, 24 hours)
Police, Ambulance and Fire Brigade: 000 in Australia (Mobile 112)
World Emergency Number: +613 9573 3112 (Worldwide, 24 hours)

2. HAZARDS IDENTIFICATION

GHS Classification
Not classified as Hazardous according to Australian Criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Hazard Category(s)
Eye damage – category 1
Specific target organ toxicity (repeated exposure) - category 2
Reproductive toxicity – category 1B
Hazardous to the aquatic environment (acute) – category 2
Hazardous to the aquatic environment (chronic) – category 2

GHS Label elements
Pictograms

Signal Word
DANGER

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Hazard Statement(s)

H318	Causes serious eye damage
H360FD	May damage fertility. May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed or inhaled
H411	Toxic to aquatic life with long-lasting effects

Precautionary Statement(s)

Prevention

P203	Obtain, read and follow all safety instructions before use.
P260	Do not breathe mists/vapours/spray.
P264	Wash hands, face and other exposed body parts thoroughly after handling.
P265	Do not touch eyes.
P273	Avoid release to the environment.
P280	Wear eye protection/face protection and protective gloves.

Response

P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P318	IF exposed or concerned, get medical advice.
P319	Get medical help if you feel unwell.
P391	Collect spillage.
N/A	

Storage

P405 Store locked up

Disposal

P501 Dispose of contents/container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	Content
Iron sulfate	7720-78-7	<10%
Zinc sulfate	7746-19-7	<10%
Manganese sulfate	7785-87-7	<3%
Disodium octaborate tetrahydrate	12280-03-04	<3%
Copper sulfate	7758-98-7	<3%
Cobalt sulfate	10124-43-3	<0.1%
Other non hazardous ingredients	N/A	Up to 100%

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4. FIRST AID MEASURES

Ingestion

- If swallowed, do not induce vomiting unless directed by medical personnel.
- Rinse and wash mouth with water (if patient is conscious) and contact a Poisons Information Centre or call a doctor.

Inhalation

- Remove from exposure and if irritation persists, seek medical attention.

Skin contact

- Wash thoroughly with soap and water (use non-abrasive soap).
- If irritation persists repeat washing and obtain medical advice.

Eye contact

- Immediately flush the contaminated eye/s with cold running water for 20mins or until the product is removed, while holding the eyelids open.
- Take care not to rinse contaminated water into unaffected eye or onto face.
- Remove contact lenses, if present and easy to do.
- Obtain medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Suitable extinguishing Equipment

- Use appropriate fire extinguisher for the surrounding environment.
- Compatible with dry chemical, water spray, regular foam and carbon dioxide fire extinguishing media.

Precautions in connection with fire

- Fire fighter to wear self-contained breathing apparatus and gas tight chemical resistant suit if risk of exposure to vapour or products of combustion.

Flammability

- Non combustible under normal conditions of use.
- Not considered a significant fire risk, however container may burn and may emit harmful vapours.

HAZCHEM Code

- None allocated

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear Personal Protective Equipment (PPE) as detailed in Section 8 when cleaning up spills.

Environmental precautions

- Prevent from entering waterways or other aquatic environments.

Methods and materials for containment and cleaning up

- Small Spills: - Mop up and contain liquid then dispose of in accordance with state and federal laws. Do not contaminate waterways or streams.
- Large Spills: - Stop leak if safe to do so. Prevent, by any means available, spillage from entering drains and waterways. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled drums for recycle or disposal. After cleanup operations, decontaminate and launder all protective clothing and equipment before storing and re-using.

7. HANDLING AND STORAGE

Precautions for safe handling

- Do not handle if pregnant or likely to become pregnant.
- Do not handle until all safety precautions have been read and understood.
- Wear Personal Protective Equipment (PPE) as detailed in Section 8 to prevent skin and eye contact, or inhalation.
- Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

Conditions for safe storage

- Keep out of reach of children.
- Store in a cool, dry area in original, sealed container.
- Do not store in prolonged sunlight.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection

- Wear gloves and eye protection. The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501.1:2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS 2210.

Exposure Limits

- Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.

Biological Limit Values:

- Not established

Engineering Controls

- Ensure sufficient ventilation to minimise exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown liquid
Odour	Mild earthy citrus
pH	5-6.2
Melting point/freezing point	No Data Expected about -5ºC
Boiling Point	No Data. Expected about 100ºC
Flash point	Non-flammable
Evaporation Rate	No Data
Flammability	Not combustible
Vapour Pressure	No data
Vapour Density	No Data
Specific Gravity	1.1-1.3
Water Solubility	Fully miscible
Auto-ignition temp	No Data
Viscosity	No Data
Conductivity	45-65 mS/cm
Coeff Oil/Water Distribution	No Data

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10. STABILITY AND REACTIVITY

Reactivity
- This product is stable under normal storage and handling conditions.

Chemical stability
- This product is stable under normal storage and handling conditions.

Possibility of hazardous reactions
- This product is unlikely to react under normal storage conditions.

Conditions to avoid
- Avoid extreme heat, flames and ignition sources. Avoid exposure to air. Hazardous polymerization reactions will not occur.

Incompatible materials
- No data available.

Hazardous decomposition products
- Toxic gasses may be released in event of a fire. Possible oxides of sulphur may be released.

11. TOXICOLOGICAL INFORMATION

Eye contact
- No data available - may cause mild irritation. Flush with water.

Skin contact
- No data available - may cause mild irritation. Wash with soap and water.

Ingestion
- No LD_{50} available for this product.
- Iron sulfate heptahydrate LD_{50} (oral, mouse) 1520 mg/kg, copper sulfate LD_{50} (oral, rat) 300 mg/kg, zinc sulfate LD_{50} (oral, rat) 1538 mg/kg, disodium octaborate tetrahydrate – LD_{50} (oral, rat) >2000mg/kg, manganese sulfate – LD_{50} (oral, mouse) 2330 mg/kg, cobalt sulfate LD_{50} (oral, rat) 768 mg/kg

Inhalation
- No data available. Vapours or mist may cause respiratory irritation.

Long term effect
- No data available.

Carcinogenicity
- Not classified as a carcinogen.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

- Avoid contaminating waterways. Product contains components that cause acute and chronic toxicity in aquatic environments.

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility

- Will leach in soil.

Environmental Protection

- Toxic to aquatic life with long-lasting effects.

13. DISPOSAL CONSIDERATIONS

Disposal methods

- Where possible, product should be used for its intended purpose including the rinsings of the container.
- Dispose of in accordance with all local state and national regulations.
- Do not discard into drains or waterways.

Container

- Triple or pressure rinse containers.
- Dispose of in accordance with state laws.
- Do not incinerate.

14. TRANSPORT INFORMATION

ADG Code

- This product is not classified as Dangerous Goods.
- No special transport conditions are necessary unless required by other regulations.

15. REGULATORY INFORMATION

SUSMP Poisons Schedule

Not scheduled

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16. OTHER INFORMATION

Acronyms

ADG Code	Australian Code for the Transport of Dangerous Good by Road or Rail.
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters.
IARC	International Agency for Research on Cancer
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
UN Number	United Nations Number
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
LD_{50}	Lethal Dose for 50% Mortality
SCBA	Self Contained Breathing Apparatus

REVISION HISTORY

Date of issue: April 2025
Date of previous issue: April 2025
Reason for up issue: Administrative update

DISCLAIMER

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Batphone Australia, assumes no responsibility for the injury to customers or third-party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

END OF SDS