

Safety Data Sheet

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1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: Metabolt Iron

Recommended Use: Agricultural Micronutrient.

Supplier: Metagen Pty Ltd
108 Chadwick Rd
Gatton, QLD AU 4343

Emergency Phone No.: 0448 082 841
1800 229 994

2. HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous

Risk Phrase(s): N/A

Safety Phrase(s): N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients not classified as hazardous

4. FIRST AID MEASURES

Eye Contact: Flush immediately with water for 15 minutes. (Remove contact lenses when worn.)

Skin Contact: Wash with water and soap.

Ingestion: Do NOT induce vomiting.

Inhalation: Not expected, get fresh air.

Special Note: Allergic reaction unlikely, contact physician if needed.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Foam, CO2, dry chemical, water

Specific hazards: Not flammable and does not support combustion. Avoid heating in confined space.

Protective equipment: Wear protection gear and breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Will be slippery on solid surfaces. Evacuate person to safe area. Use proper personal equipment as indicated in section 8.
Environmental precautions:	Depending on amount of spillage, avoid runoff into sewers, ditches, and water ways.
Containment and clean up:	Contain spill with inert dry material, such as vermiculite or sand. Neutralize before disposal by adding slowly sodium carbonate. Sweep or vacuum up and place in suitable container for proper disposal. Dispose of in accordance with local laws. Generally not considered harmful for drain disposal after neutralization to pH 6-7.8.

7. HANDLING AND STORAGE

Handling:	Wash hands with soap and water after use. Avoid contact with eyes, skin, and clothing. Wear safety goggles. Keep out of reach of children. Do not inhale vapor, spray, or mist. Keep container closed when not in use.
Storage:	1°C to 40°C. Significant changes in temperature may lead to swelling or contraction of packaging; this is normal and does not indicate defect in material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	N/A
Biological Limit Values:	N/A
Engineering Controls:	N/A
Personal Protective Equipment:	Rubber or neoprene gloves; Safety goggles; Wear approved mask when spray mist may be contacted.

9. PHYSICAL AND CHEMICAL PROPERTIES

Composition:	Ferrous sulphate CAS# 13463-43-9 major ingredient
Appearance:	Clear, mildly viscous, brown liquid. A thin, benign white layer may form on top.
Odor:	Savory, lightly tangy aroma, as of mushrooms cooked in wine.
pH characteristic:	~4.7
Vapor pressure:	N/A
Vapor density:	N/A
Boiling point/range:	100° C

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Freezing point: 0° C
Solubility: Soluble in water
Specific gravity or density: 1.26 Mg/m³

10. STABILITY AND REACTIVITY

Chemical stability: Stable with moderately low pH
Conditions to avoid: High pH conditions
Incompatible materials: Strong oxidizers and alkalis
Hazardous decomposition: Under extreme heat may release carbon dioxide, carbon monoxide, and other undetermined by-products of organic combustion.
Hazardous reactions: None expected

11. TOXICOLOGICAL INFORMATION

As with all natural organic materials, allergic reactions are possible. None have been reported.

Acute toxicity: No adverse effects expected
Skin corrosion/irritation: No adverse effects expected
Serious eye damage/irritation: No adverse effects expected
Respiratory or skin sensitization: No adverse effects expected
Germ cell mutagenicity: No adverse effects expected
Carcinogenicity: No adverse effects expected
Reproductive toxicity: No information available
Specific Target Organ Toxicity (STOT):
Single exposure: No data available
Repeated exposure: No data available
Aspiration hazard: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A
Persistence and degradability: Relatively short persistence, biodegradable
Mobility: N/A
Additional Information: Acidic, may depress pH
! Soluble in water

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13. DISPOSAL CONSIDERATIONS

Disposal methods and containers: May be dispersed upon soil in reasonable amounts.
Neutralize before disposal by adding slowly sodium carbonate.
Triple rinse containers.

Special precautions for landfill: No precautions needed.

14. TRANSPORT INFORMATION

UN number: Non-hazardous, no number specified

Proper shipping name: N/A

Class and subsidiary risk: N/A

Packing group: N/A

Special precautions during transport: Not a known marine pollutant, no hazard of acute aquatic toxicity

Hazchem Code: None

15. REGULATORY INFORMATION

Not regulated, not classified as hazardous.

16. OTHER INFORMATION

Date revision: 25 May 2020

This SDS summarises the health and safety hazard information of the product to the best of our knowledge and how to safely handle and use the product in the workplace. Users should read this SDS and always consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. Information contained in this document or information as otherwise supplied to users is believed to be accurate, but it is for the users to satisfy themselves of the suitability of the product. Metagen Pty Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Metagen Pty Ltd accepts no liability for loss or damage resulting from reliance on this information. If further information is needed for risk assessment, contact Metagen Pty Ltd.
