



Safety Data Sheet

Biomin® Iron Powder

SECTION 1: Product and Company Identification

Product name: Biomin® Iron Powder
Product code: 0403 / 052006
Product use: Plant fertilizer
Product type: Solid / powder / granule

Importer & Distributor:
Roots, Shoots & Fruits Ltd
27 Hastie Avenue, Mangere Bridge
Auckland, New Zealand 2022
Ph: +64 (09) 372 9155
E: rsf@rd2.co.nz

Manufacturer:
JH Biotech, Inc.
4951 Olivas Park Drive
Ventura, CA 93003
Ph: (805)650-8933
Fax: (805)650-8942

24-Hour Emergency Contact in New Zealand:
0800 764 766 (0800 POISON)

SECTION 2: Hazards Identification

GHS Classification

Acute toxicity-oral Category 4 H302
Skin irritation, Category 2 H315
Serious eye irritation, Category 2A H319

GHS Label Elements

Pictogram:



Signal word: Warning
Hazard statement:
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 + P103 – Keep out of reach of children. Read label before use.
P264 + P265: Wash hands thoroughly after handling. Do not touch eyes.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P317 + P330: If swallowed: Get medical help. Rinse mouth.
P302 + P352: If on skin: Wash with plenty of soap and water.
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332 + P317: If skin irritation occurs: Get medical help.
P337 + P317: If eye irritation persists: Get medical help.
P362 + P364: Take off contaminated clothing and wash before reuse.
P402 + P404: Store in a dry place. Store in a closed container.
P501: Dispose of contents/container in accordance with local regulation.

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	%
Ferrous sulfate	7720-78-7	n/a
Soy protein hydrolysate	68607-88-5	n/a
Citric acid	77-92-9	n/a

SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get emergency medical attention.
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.



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SECTION 5: Firefighting Measures

Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, foam

Special hazards arising from the substance or mixture.

None

Protection for firefighters

Wear protective clothing and equipment.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Wear protective clothing, gloves, and safety eye goggles.

Environmental precautions

Avoid discharge into environment.

Methods and material for containment and cleaning up.

Contain all spills and leaks to prevent discharge into the environment. Use appropriate tools to transfer spill material to proper disposal container. Or recover material and use it for its intended purpose.

SECTION 7: Handling and Storage

Precautions for safe handling

Avoid overheating or freezing.

Conditions for safe storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

SECTION 8: Exposure Controls/Personal Protection

Exposure controls

Product has no occupational exposure limits. Avoid inhaling dusts or vapors. Practice good industrial hygiene and safety.

	OSHA PEL (8 hr TWA)	NIOSH REL (10 hr TWA)	ACGIH Threshold Limit Value (8 hr TWA)
Nuisance dust (total)	15 mg/m ³	n/a	n/a
Nuisance dust (resp)	5 mg/m ³	n/a	n/a

Personal protection

Eye protection:	Eye protection is not required. To avoid contact with eyes, use safety eye goggles.
Skin protection:	Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.
Respiratory protection:	Not required. Wear approved respiratory equipment if necessary.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Brown color	Vapor pressure	Not applicable
Odor	Slight odor	Vapor density	Not applicable
pH	Not applicable	Relative density	1.21 g/ml
Physical state	Solid	Solubility	Soluble in water
Melting point / Freezing point	>100°C / 212°F	Partition coefficient	Not applicable
Boiling point	Not applicable	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	Not applicable
Evaporation rate	Not applicable	Viscosity	Not applicable
Flammability	Non-flammable	Explosive properties	Non-explosive
Explosive limits	Not applicable	Oxidizing properties	Non-oxidizer



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SECTION 10: Stability and Reactivity

Reactivity

None

Chemical stability

Product is stable.

Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

Conditions to avoid.

Avoid heat.

Incompatible materials

High pH chemicals

Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:	Harmful if swallowed.
Irritation:	Causes serious eye irritation. Causes skin irritation.
Corrosivity:	Not known to be corrosive.
Sensitization:	May cause skin irritation
Dose toxicity:	Not known to be toxic.
Carcinogenicity:	Not known to be carcinogenic
Mutagenicity:	Not known to be mutagenic
Reproductive toxicity:	Not known to cause reproductive harm.

SECTION 12: Ecological Information

Ecotoxicity

Not considered hazardous.

Persistence and degradability

Not available

Bio accumulative potential

Not available

Mobility in soil

Mobile because it is water soluble.

SECTION 13: Disposal Considerations

Waste treatment methods

Not hazardous waste. Dispose of product in accordance with federal, state, and local regulations. Consult with qualified representative for proper disposal or treatment.

SECTION 14: Transport Information

Transport Classification: Not classified as Dangerous Goods under the standard NZS 5433:2020 Transport of Dangerous Goods on Land.

DOT

Not regulated by U.S. DOT as hazardous material.

UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable



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Environmental hazards: Not applicable
Special precautions for user: Not applicable

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15: Regulatory Information

HSNO Approval Number: HSR002571 Group Standard - Fertilisers (Subsidiary Hazard) Group Standard 2020

CERCLA

This product contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Ferrous sulfate (CAS# 7720-78-7)

California Prop 65

This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

SARA 311/312 Hazards

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA 313

This product does not contain any material that is subject to reporting levels established by SARA Title III, Section 313.

Chemical Inventory Listing

New Zealand (NZIoC):	Ferrous sulfate [CAS No. 7720-78-7] is listed.
	Citric acid [CAS No. 77-92-9] is listed.
	Soy protein hydrolysate [CAS No. 68607-88-5] is listed.

SECTION 16: Other Information

Issued: 24/02/2026

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